User's Manual

BPC65-B-A16G

Copyrights

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All trademarks are property of their respective owners

Liability Disclaimer

In no event will the manufacturer be liable for direct, indirect, special, incidental, or consequential damages arising out of the use or inability to use the product or documentation, even if advised of the possibility of such damages.

FCC Notices

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the Federal Communications Commission (FCC) Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Increase the separation between the equipment and the receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio or television technician for help.

This device complies with Part 15 (B) of the FCC Rules. Operation is subject to the following two conditions:

1) this device may not cause harmful interference and

2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS DEVICE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE DEVICE.

CE Notice

This device complies with **EMC Directive 2004/108/EC** issued by the Commission of the European Community.

WEEE Notice

The **WEEE** mark applies only to countries within the European Union (EU) and Norway.

This appliance is labeled in accordance with **European Directive 2002/96/EC** concerning **waste electrical and electronic equipment** (**WEEE**). The Directive determines the framework for the return and recycling of used appliances as applicable throughout the European Union. This label is applied to various products to indicate that the product is not to be thrown away, but rather reclaimed upon end of life per this Directive.

Safety Notice

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer’s instructions.

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1.

Hardware Setup

1.1. Unpacking the Box

The Device X 1

Power Adaptor X 1

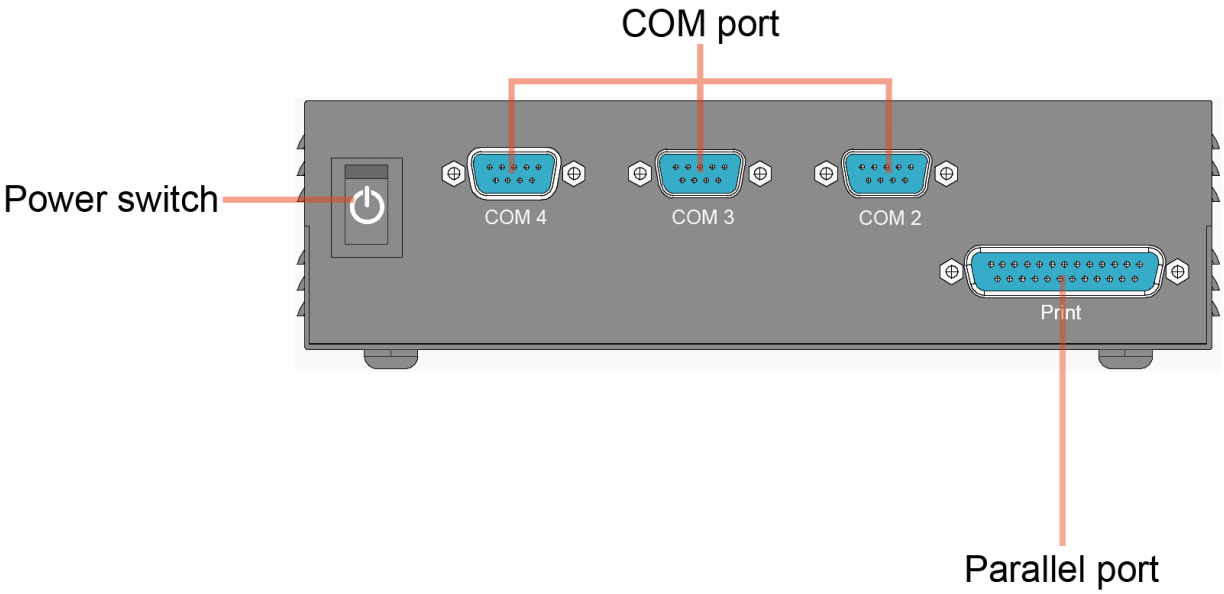
Power Cord X 1

Driver and Utility CD X 1

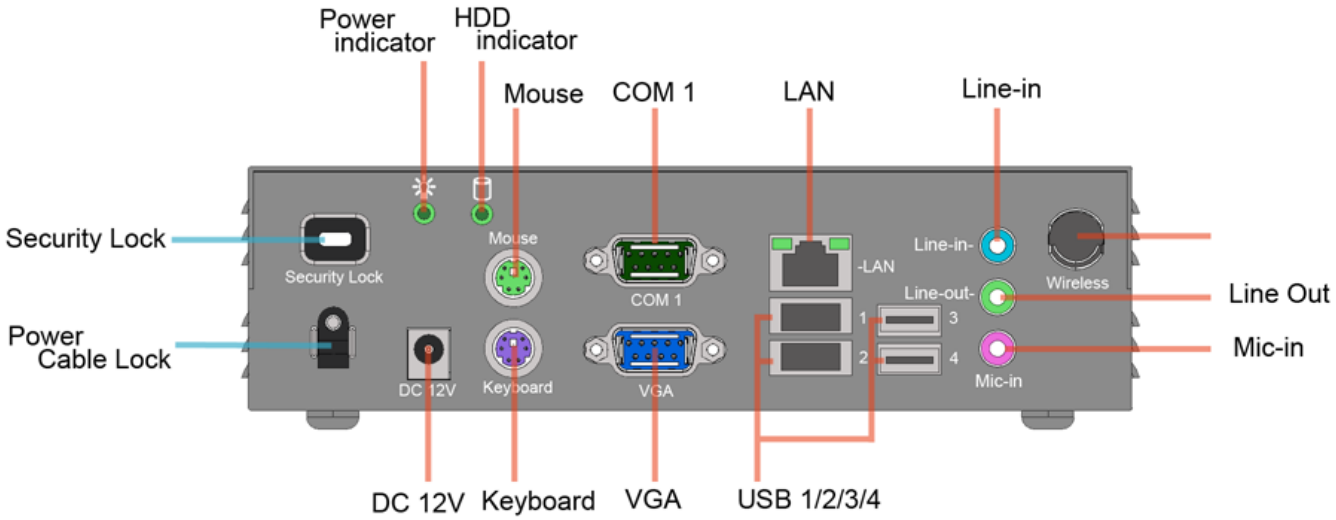
2.

Quick Tour

2.1. Front View



2.2. Rear View



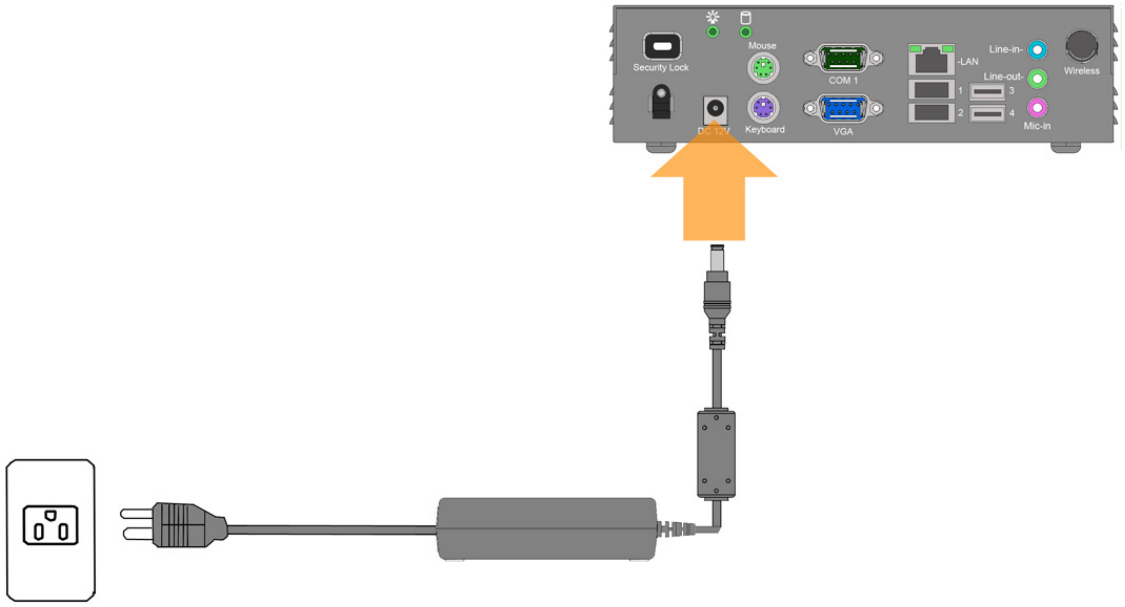
	The **Power** indicator will glow green when power is on.
	The **HDD** indicator will blink green when the HDD is accessed.

Note: For details of I/O ports on the back panel, please refer to 6. I/O Definition.

2.3. Peripherals Installation

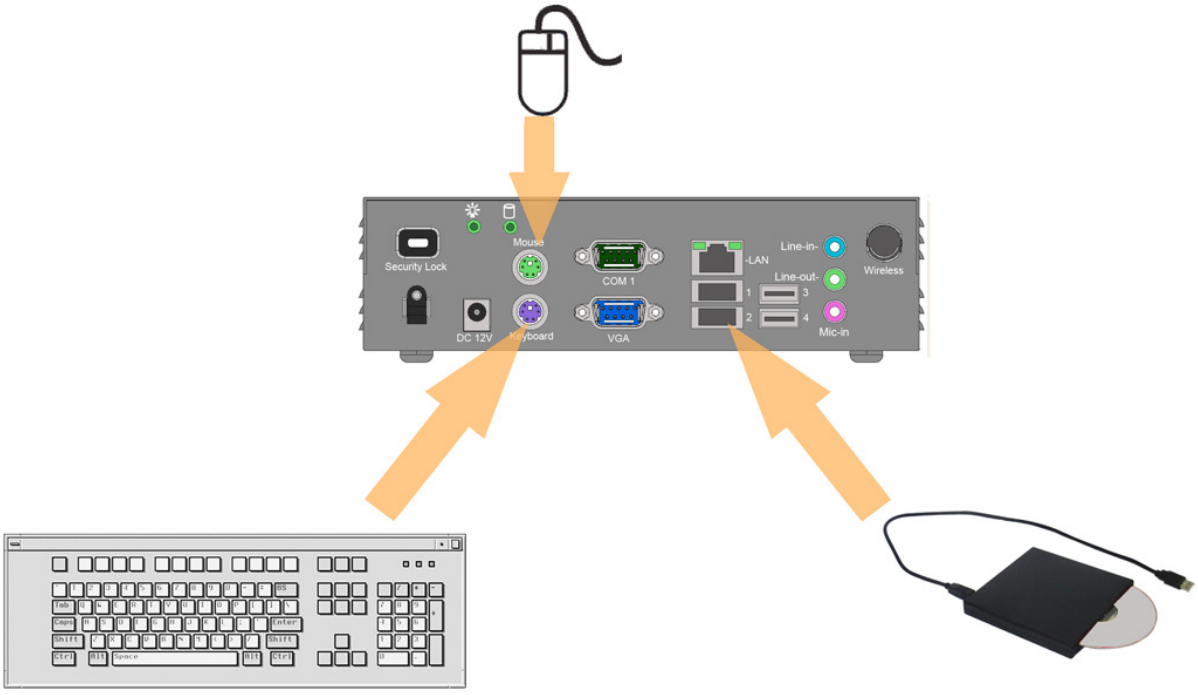
Power Adapter

Connect the output jack of the adapter to the **DC 12V** jack on the back panel of the device.



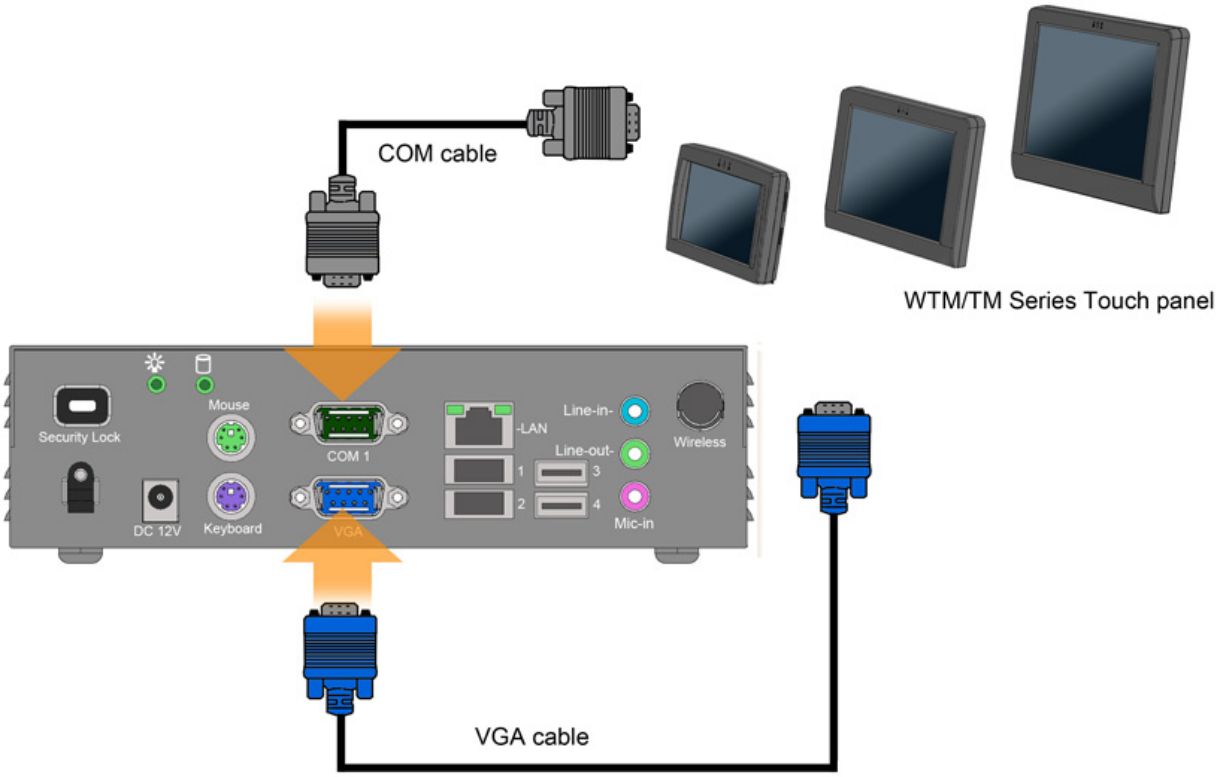
USB Mouse, USB Keyboard and USB ODD

Connect your USB Mouse, USB Keyboard and USB ODD to **USB** ports on the back panel of the device.



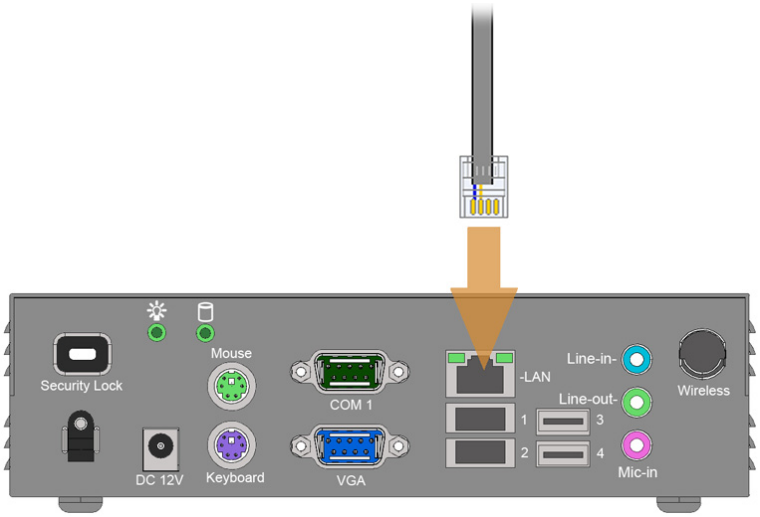
VGA LCD Touchscreen Monitor (WTM/TM Series Recommended)

1. Connect one end of the Serial Port Cable to the **COM** male port on the back panel of the device, another end to the COM port of your LCD panel.
2. Connect one end of the VGA cable to the **VGA** female port on the back panel of the device, another end to the VGA port of your LCD panel.

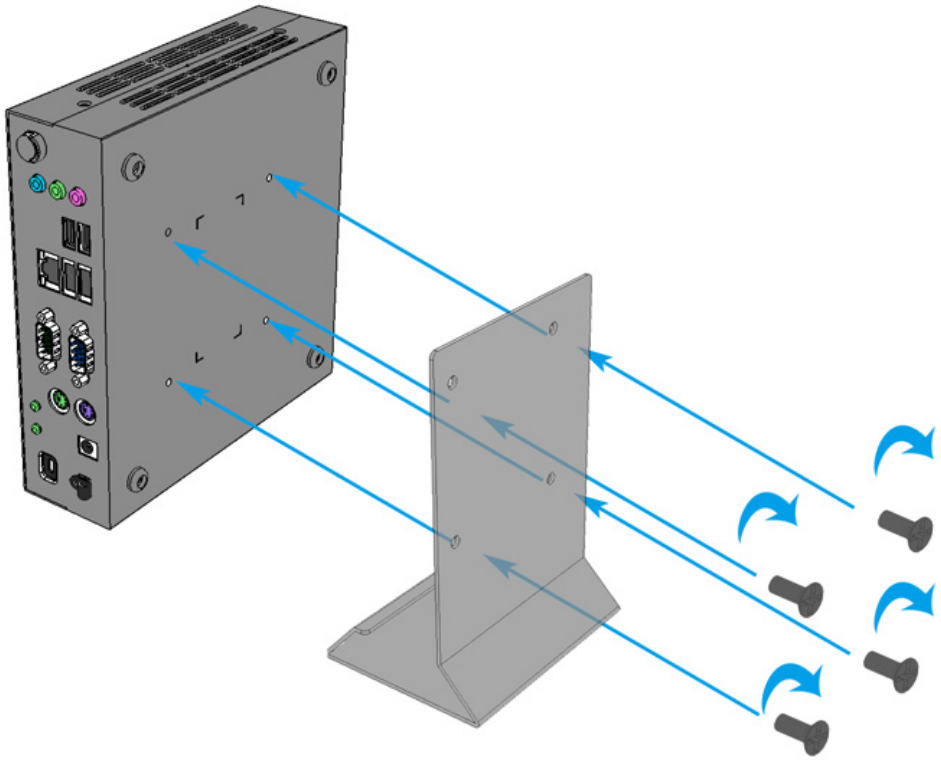


LAN Cable

Connect one end of RJ-45 LAN cable to the **LAN** port on the back panel of the device, another end to your internet device.



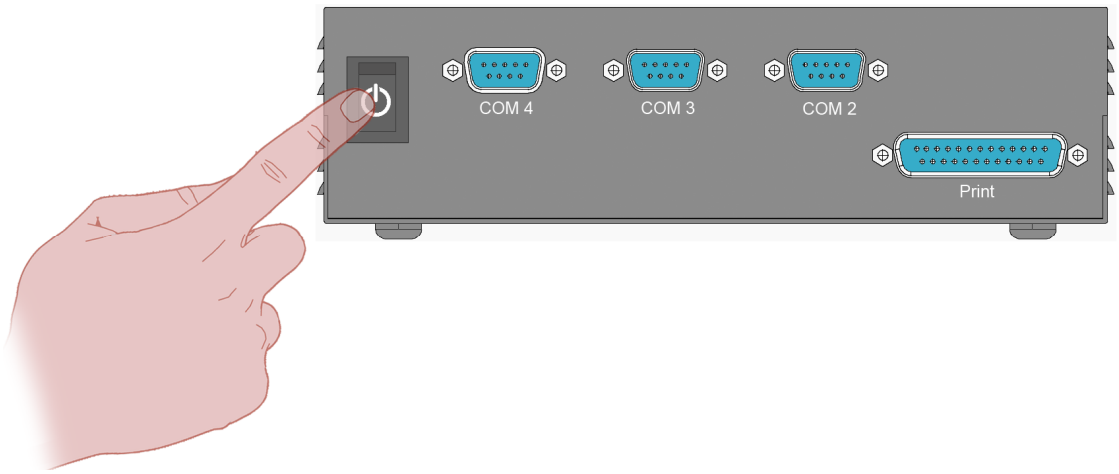
Note: *For detail information about WTM/TM series touchscreen monitor, please contact your dealer.*



2.4. Turn on the Device

1. Make sure all peripherals are connected properly.

2. Press and hold the power switch until the power indicator on the front panel glow green.



3.

Basic Driver Installation

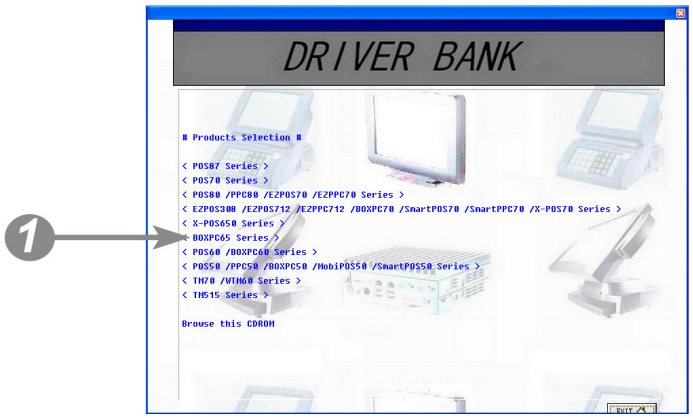
3.1. Before the installation

For CD-ROM onboard model:
1. Insert the driver CD into the onboard CD-ROM drive. The program autoruns and displays the **DRIVER BANK** screen.
2. Follow the on-screen instructions.

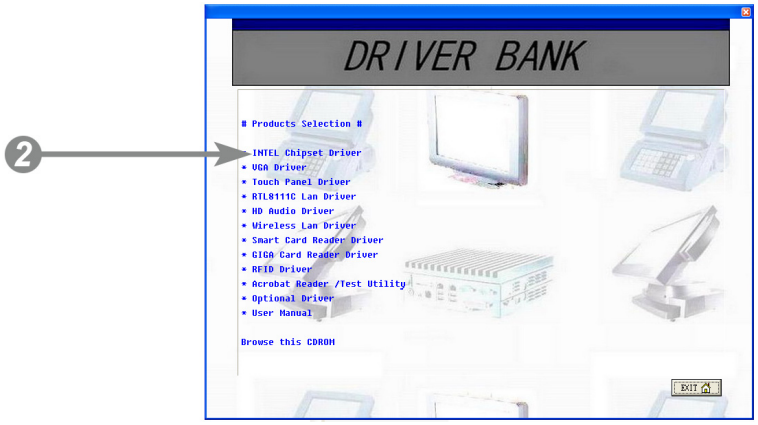
For Model without CD-ROM Onboard:
1. Connect an external USB CDROM to the USB power and insert the driver CD and turn on the device. The program autoruns and displays the **DRIVER BANK** screen.
2. Follow the on-screen instructions.

3.2. Chipset Software Installation

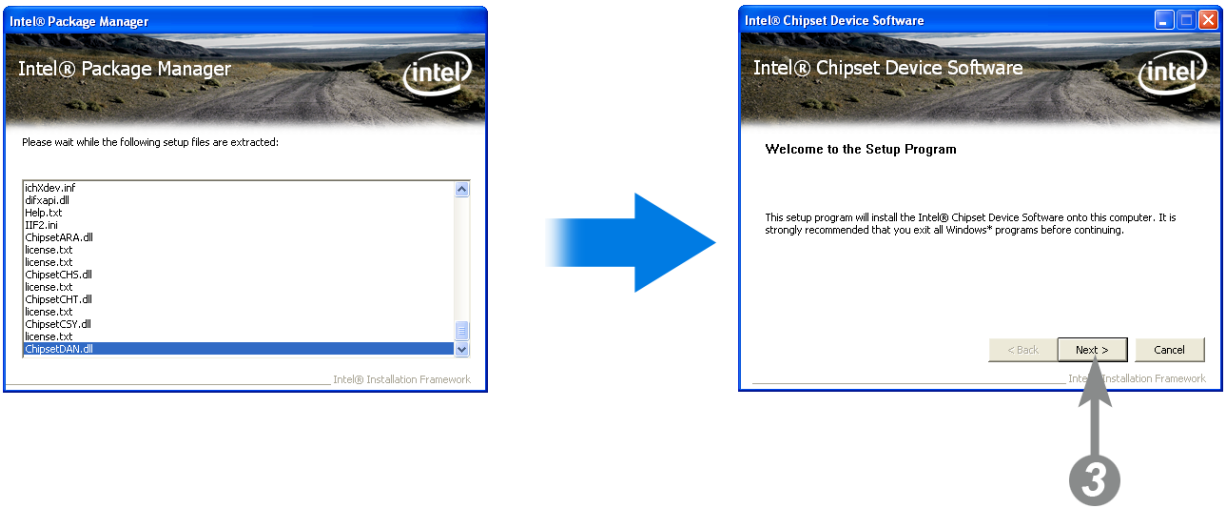
1. On the main screen, click "**BOXPC 65 Series**".



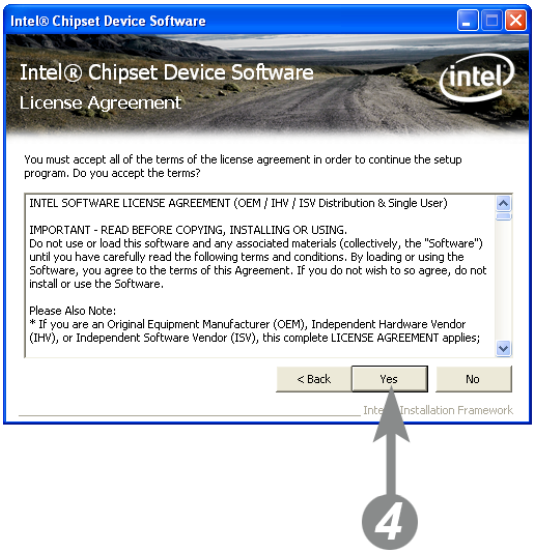
2. Click **INTEL Chipset Driver**.



3. Click **Next**.



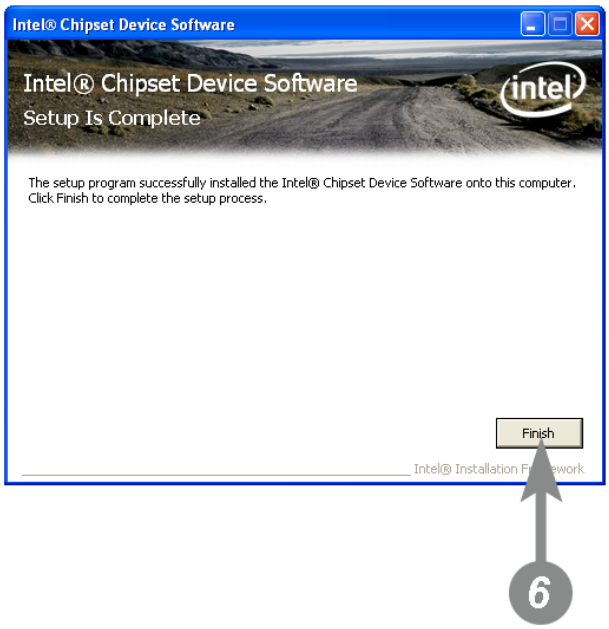
4. Read the License Agreement carefully and click **Yes**.


Intel® Chipset Device Software
Intel® Chipset Device Software
License Agreement
You must accept all of the terms of the license agreement in order to continue the setup program. Do you accept the terms?
INTEL SOFTWARE LICENSE AGREEMENT (OEM / IHV / ISV Distribution & Single User)
IMPORTANT - READ BEFORE COPYING, INSTALLING OR USING.
Do not use or load this software and any associated materials (collectively, the "Software") until you have carefully read the following terms and conditions. By loading or using the Software, you agree to the terms of this Agreement. If you do not wish to so agree, do not install or use the Software.
Please Also Note:
* If you are an Original Equipment Manufacturer (OEM), Independent Hardware Vendor (IHV), or Independent Software Vendor (ISV), this complete LICENSE AGREEMENT applies;
< Back
Yes
No
4

4. Click **Next**.

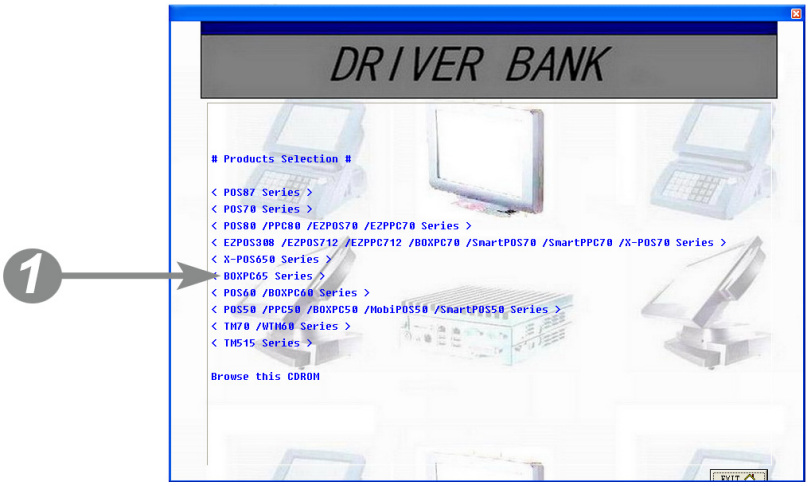
Intel® Chipset Device Software
Intel® Chipset Device Software
Readme File Information
Refer to the Readme file below to view the system requirements and installation information.
Press the Page Down key to view the rest of the file.
* Product: Intel(R) Chipset Device Software
* Release: Production Version
* Version: 8.3.0.1013
* Target Chipset#: Q33/G33/G31/P35
* Date: March 05 2007
< Back
Next >
Cancel
5

6. Click **Finish**.

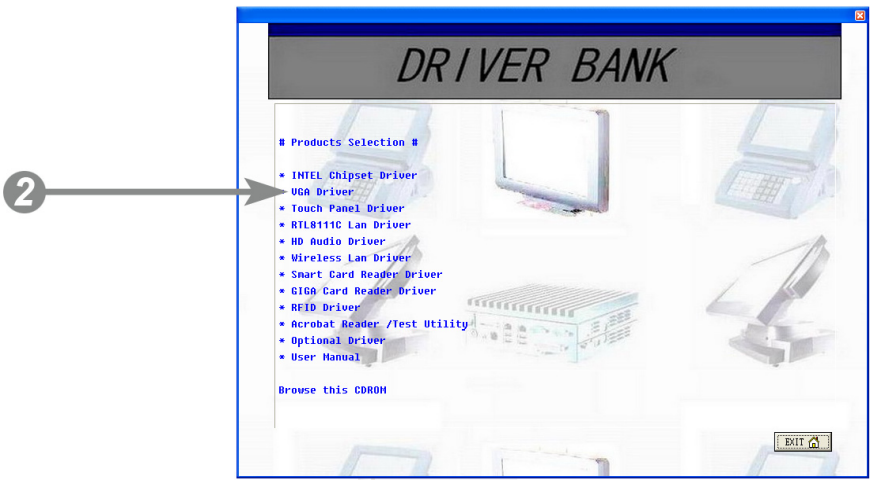

Intel® Chipset Device Software
Intel® Chipset Device Software
Setup Is Complete
The setup program successfully installed the Intel® Chipset Device Software onto this computer. Click Finish to complete the setup process.
Finish
6

3.3. VGA Driver Installation

1. On the main screen, click "**BOXPC 65 Series**".



2. Click **VGA Driver**.

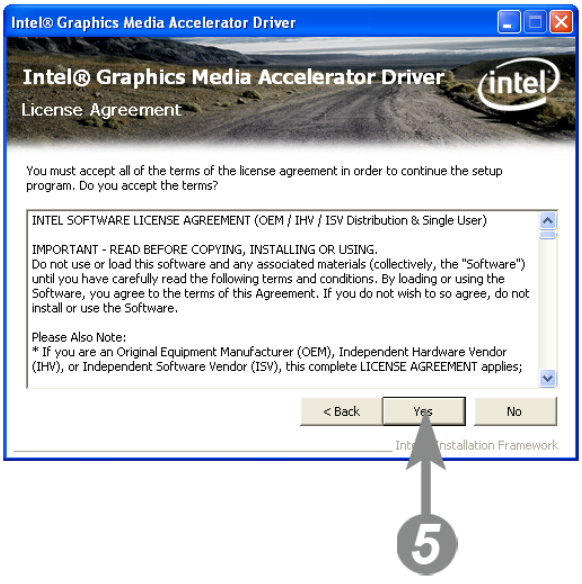


3. Click **VGA Driver for WIN2K/XP**.

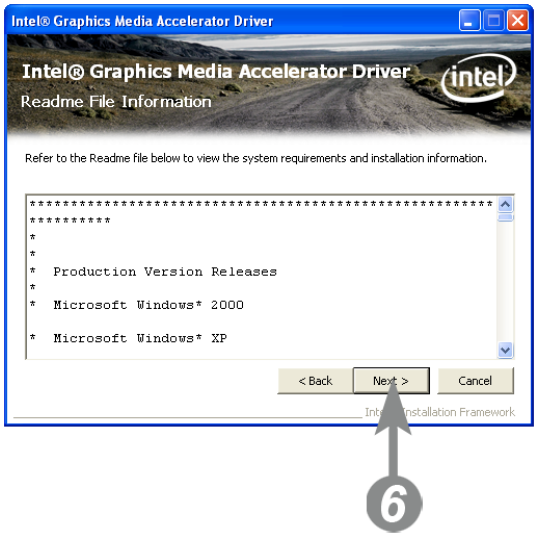
4. Click **Next**.

Intel® Graphics Media Accelerator Driver
Intel® Graphics Media Accelerator Driver
Welcome to the Setup Program
This setup program will install the Intel® Graphics Media Accelerator Driver onto this computer. It is strongly recommended that you exit all programs before continuing. Click Next to continue.
< Back
Next >
Cancel
4

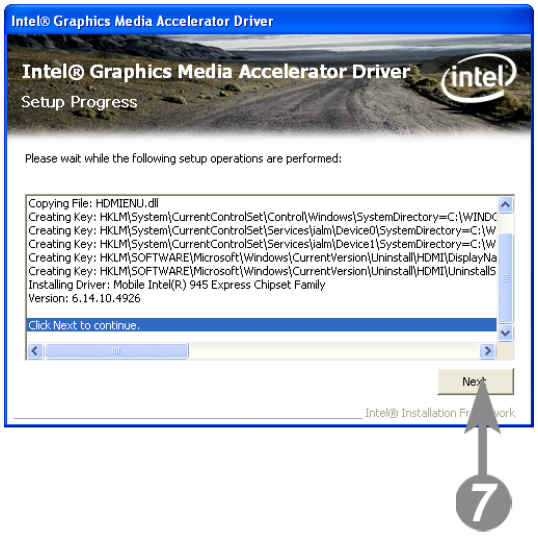
5. Read the License Agreement carefully and click **Yes**.


Intel® Graphics Media Accelerator Driver
Intel® Graphics Media Accelerator Driver
License Agreement
You must accept all of the terms of the license agreement in order to continue the setup program. Do you accept the terms?
INTEL SOFTWARE LICENSE AGREEMENT (OEM / IHV / ISV Distribution & Single User)
IMPORTANT - READ BEFORE COPYING, INSTALLING OR USING.
Do not use or load this software and any associated materials (collectively, the "Software") until you have carefully read the following terms and conditions. By loading or using the Software, you agree to the terms of this Agreement. If you do not wish to so agree, do not install or use the Software.
Please Also Note:
* If you are an Original Equipment Manufacturer (OEM), Independent Hardware Vendor (IHV), or Independent Software Vendor (ISV), this complete LICENSE AGREEMENT applies;
< Back
Yes
No
5

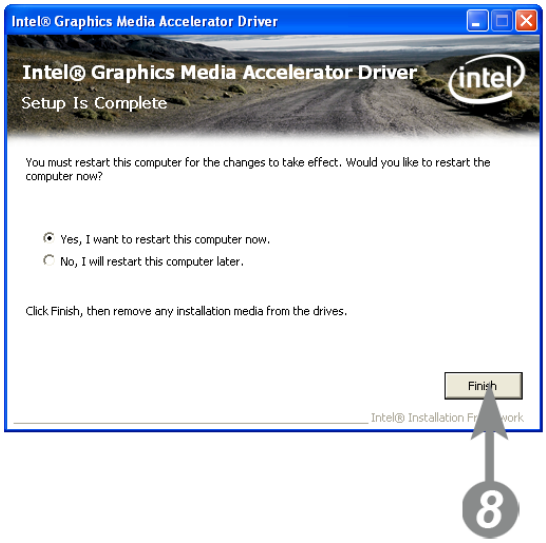
6. Click **Next**.



7. Click **Next**.



8.1. Select restart your computer right now or later, and then lick **Finish**.


Intel® Graphics Media Accelerator Driver
Intel® Graphics Media Accelerator Driver
Setup Is Complete
You must restart this computer for the changes to take effect. Would you like to restart the computer now?
Yes, I want to restart this computer now.
No, I will restart this computer later.
Click Finish, then remove any installation media from the drives.
Finish
8

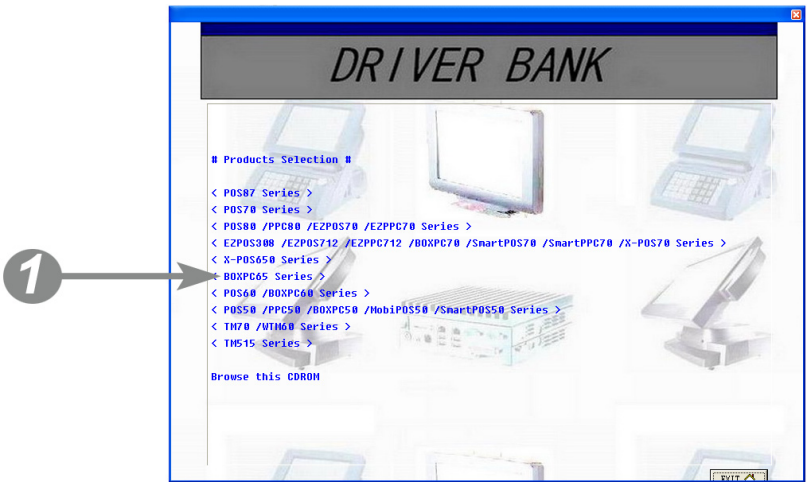
3.4. Touch Screen Driver and Software Utility installation

Note: *If the touchscreen monitor you used is not WTM or TM series, please refers to the user manual of it for touch screen driver installation.*

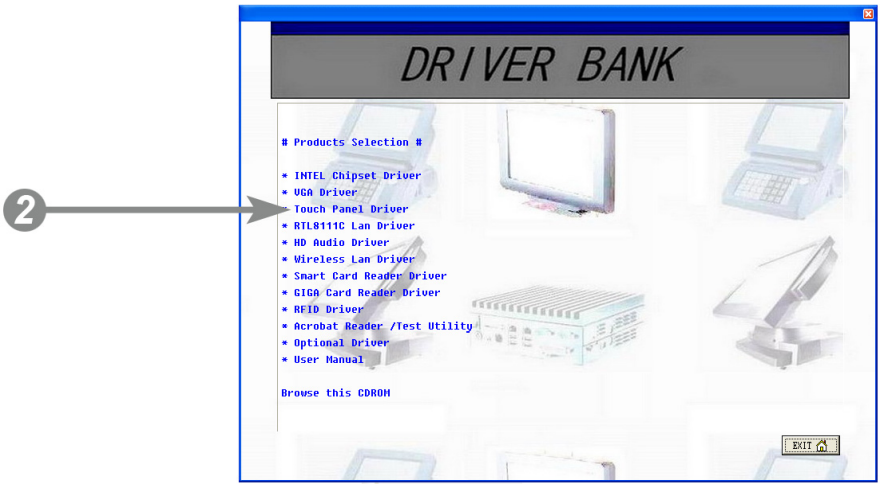
3.4.1. WTM series

The installation procedure shown below is based on Microsoft Windows XP.

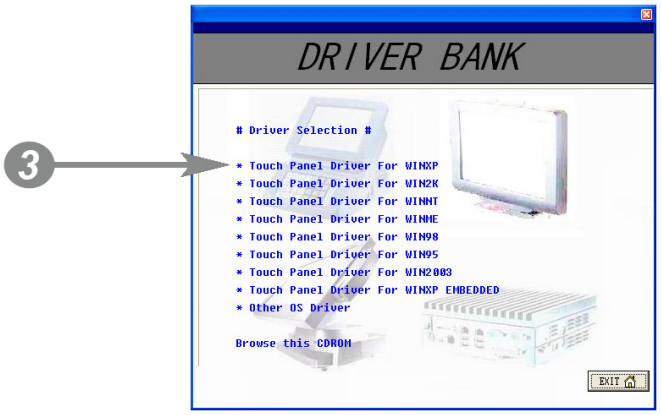
1. On the main screen, click "**BOXPC 65 Series**".



2. Click "**Touch Panel Driver**".



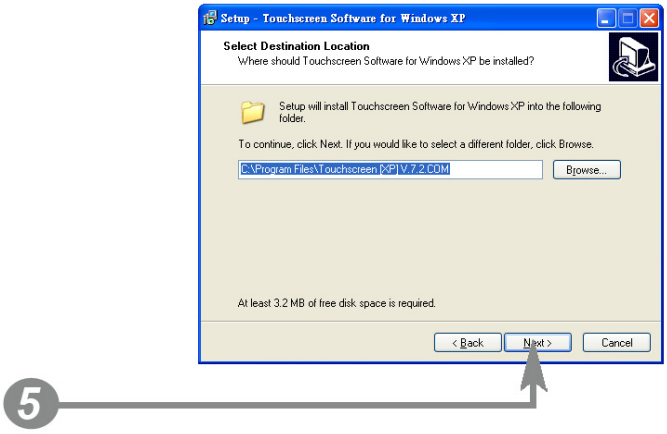
3. Click "**Touch Panel Driver for WINXP**".


DRIVER BANK
Driver Selection
* Touch Panel Driver For WINXP
* Touch Panel Driver For WIN2K
* Touch Panel Driver For WINNT
* Touch Panel Driver For WINME
* Touch Panel Driver For WIN98
* Touch Panel Driver For WIN95
* Touch Panel Driver For WIN2003
* Touch Panel Driver For WINXP EMBEDDED
* Other OS Driver
Browse this CDROM
EXIT
3

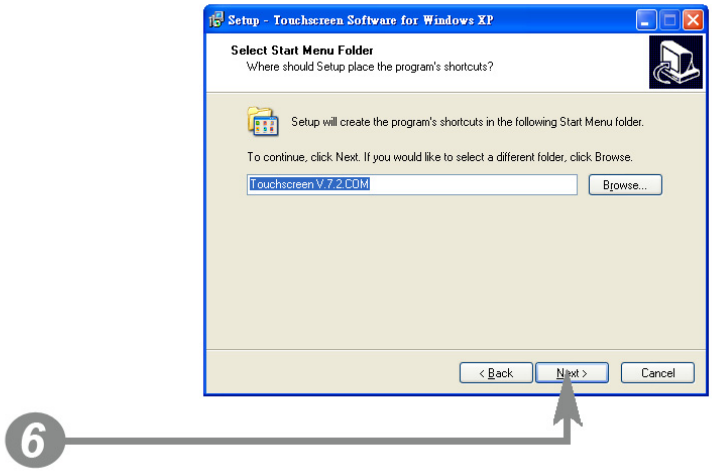
4. Click "**Next**" button.

Setup - Touchscreen Software for Windows XP
Welcome to the Touchscreen Software for Windows XP Setup Wizard
This will install Touchscreen Software Version 7.2.COM on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
Next >
Cancel
4

5. Click “**Browse**” to select the location where the driver installed, and then click “Next”. Or you can click “**Next**” go to next screen directly.

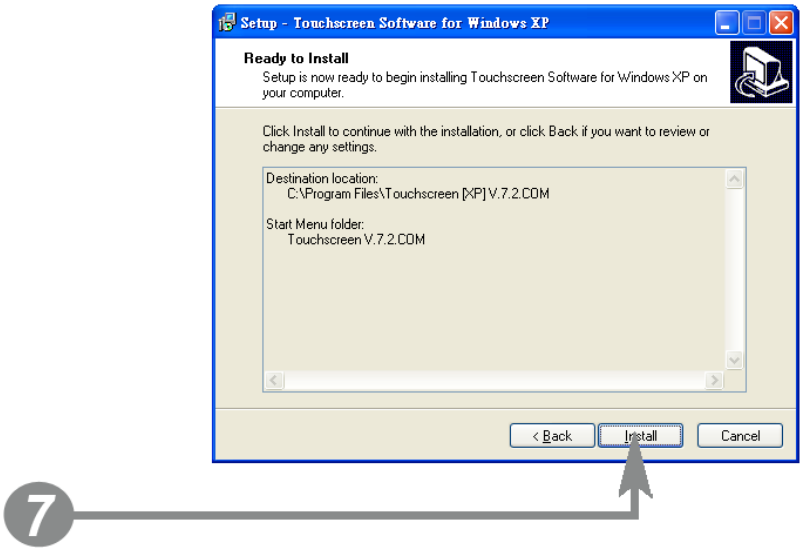

Setup - Touchscreen Software for Windows XP
Select Destination Location
Where should Touchscreen Software for Windows XP be installed?
Setup will install Touchscreen Software for Windows XP into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files\Touchscreen [XP] V.7.2.COM
Browse...
At least 3.2 MB of free disk space is required.
< Back
Next >
Cancel
5

6. Click “**Browse**” to select the start menu folder, and then click “Next”. Or you can click “**Next**” go to next screen directly.

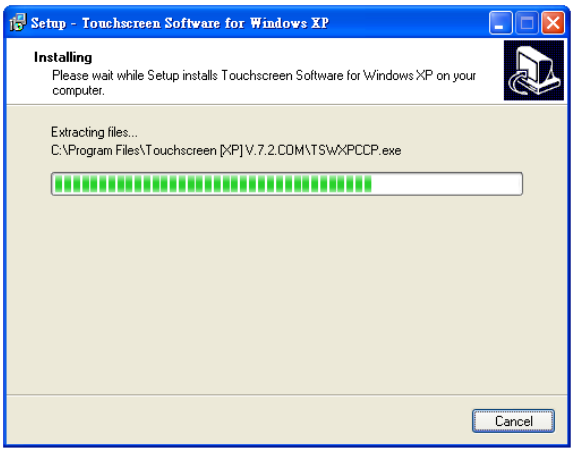

Setup - Touchscreen Software for Windows XP
Select Start Menu Folder
Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
Touchscreen V.7.2.COM
Browse...
< Back
Next >
Cancel
6

6. This screen displays setting information. Click **Install** to continue

installation. If you would like to change settings, click **Back** to return to previous screens.


Setup - Touchscreen Software for Windows XP
Ready to Install
Setup is now ready to begin installing Touchscreen Software for Windows XP on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
C:\Program Files\Touchscreen [XP] V.7.2.COM
Start Menu folder:
Touchscreen V.7.2.COM
< Back
Install
Cancel
7

7. During the installation, the following screen will be displayed.


Setup - Touchscreen Software for Windows XP
Installing
Please wait while Setup installs Touchscreen Software for Windows XP on your computer.
Extracting files...
C:\Program Files\Touchscreen [XP] V.7.2.COM\TSWXPCCP.exe
Cancel

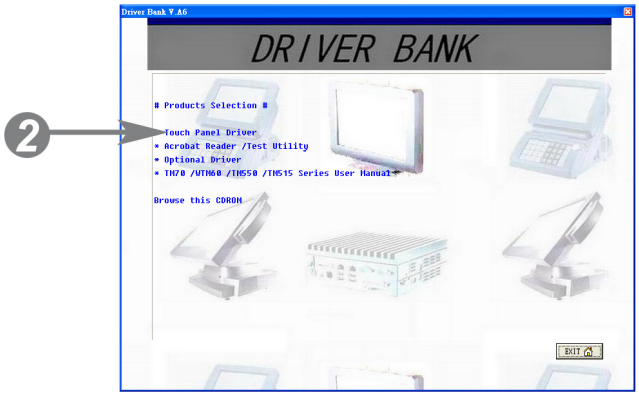
8. The message below shows after the installation was successful. Click "**OK**" to complete the installation.

TouchScreen Driver Installation
Setup has finished installing TouchScreen drivers and utilities on your computer.
The Windows must be restarted.
OK

3.4.2. TM 550 Touch Monitor

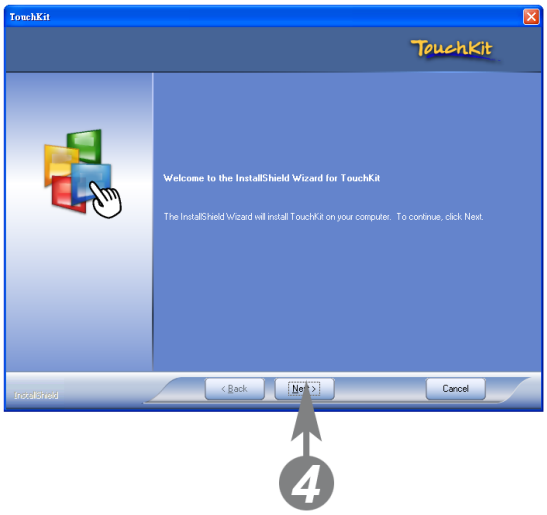
1. Click **TM70/WTM60/TM550/TM515 Series.**

2. Click **Touch Driver**.

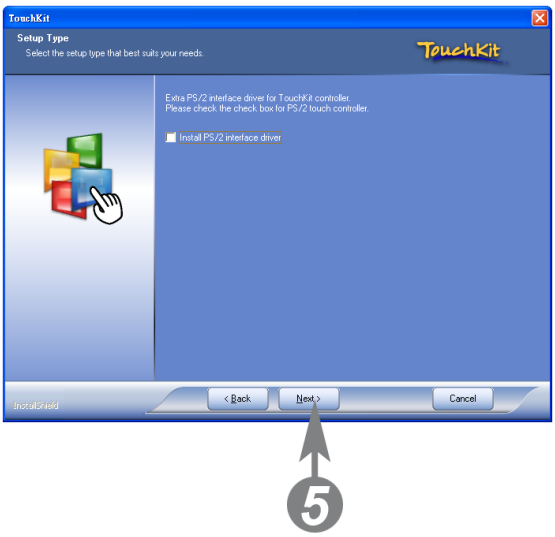


3. Click **Touch Driver For TM550/TM515 Series**.

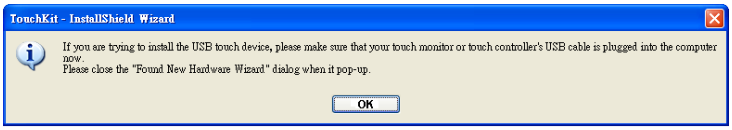
4. Click **Next**.



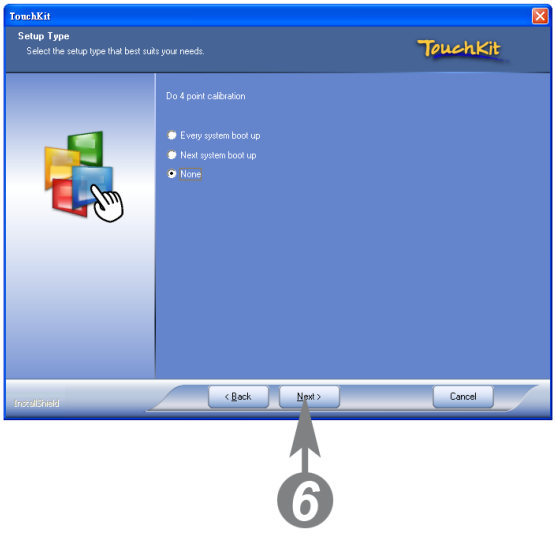
5. Select an item according to your needs, and then click **Next**.



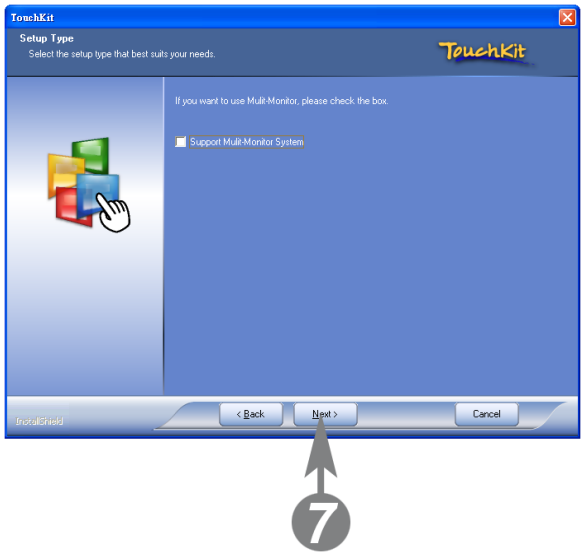
Click the OK button on the pop-up message.


TouchKit - InstallShield Wizard
If you are trying to install the USB touch device, please make sure that your touch monitor or touch controller's USB cable is plugged into the computer now.
Please close the "Found New Hardware Wizard" dialog when it pop-up.
OK

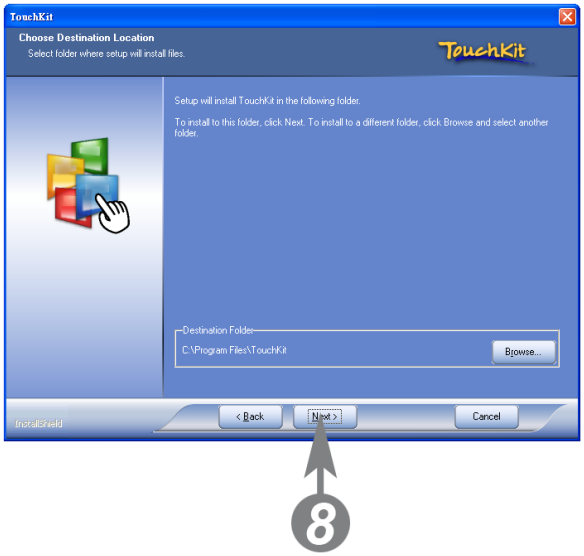
6. If you want to use Multi-Monitor, check the box and click **Next**.



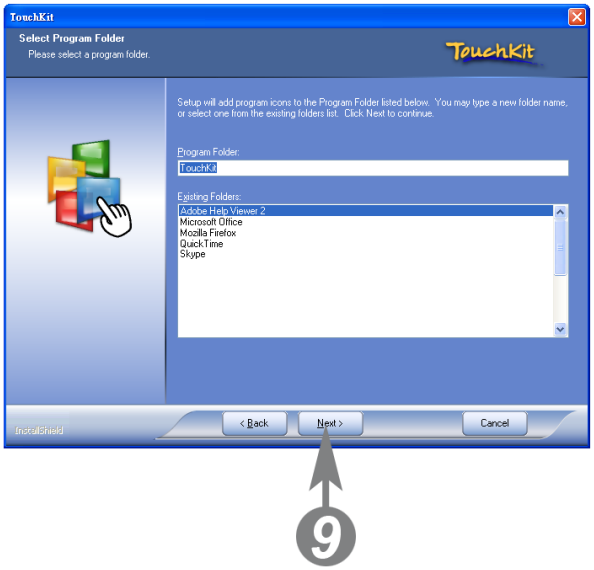
7. Click **Next**.



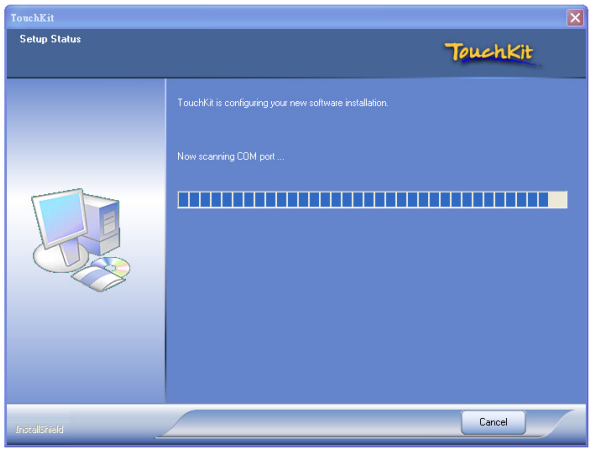
8. Click **Next**.



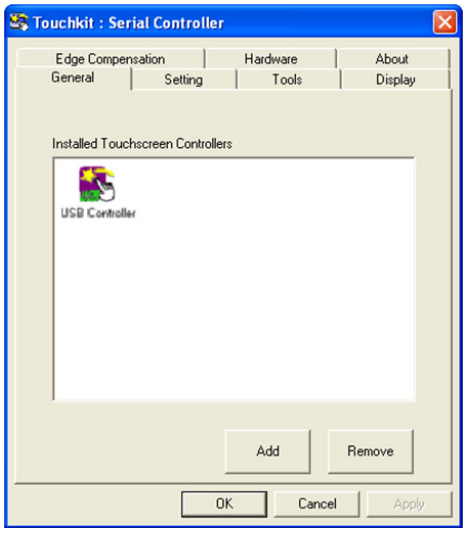
9. Click **Next**.



9 The driver starts to install.

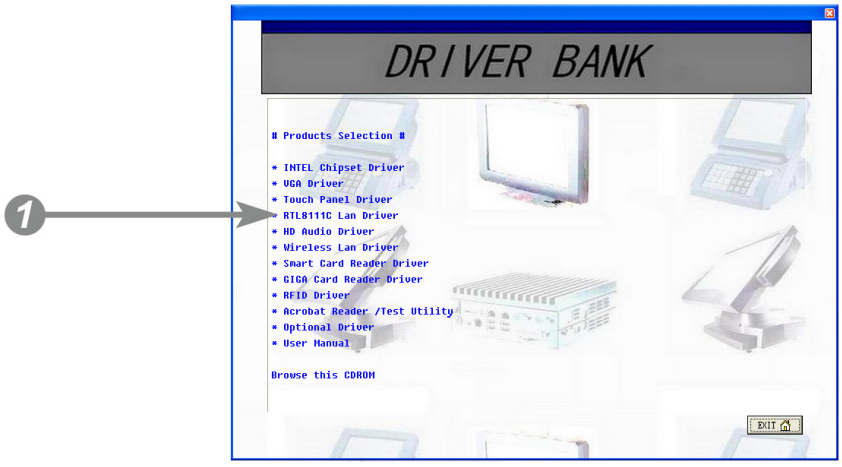


10. Click **OK**.



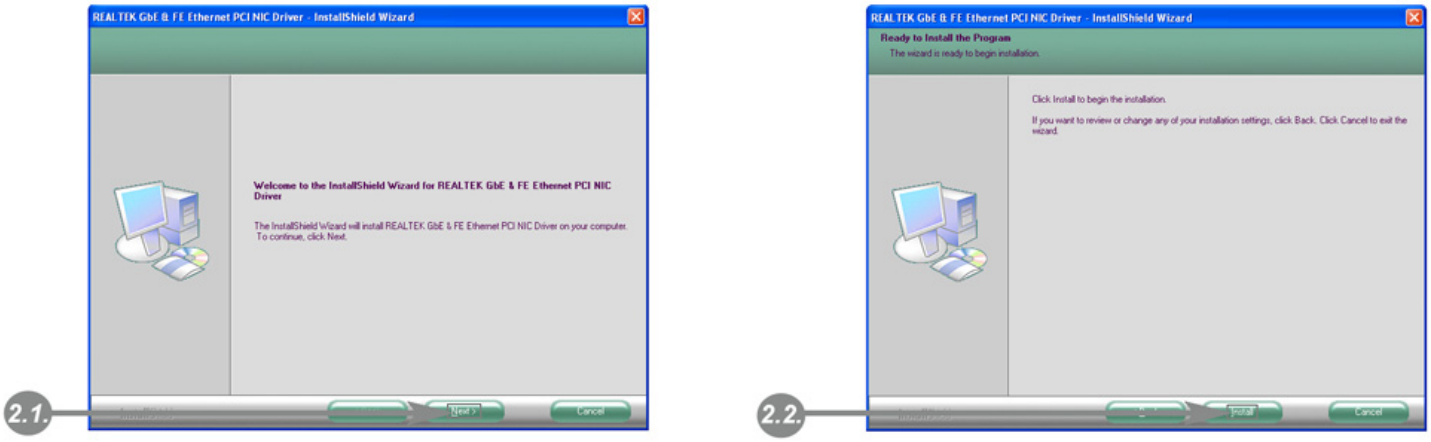
3.5. LAN Driver Installation

1. After clicking "**BOXPC 65 Series**" on the main screen, click **RTL8111C Lan Driver**.

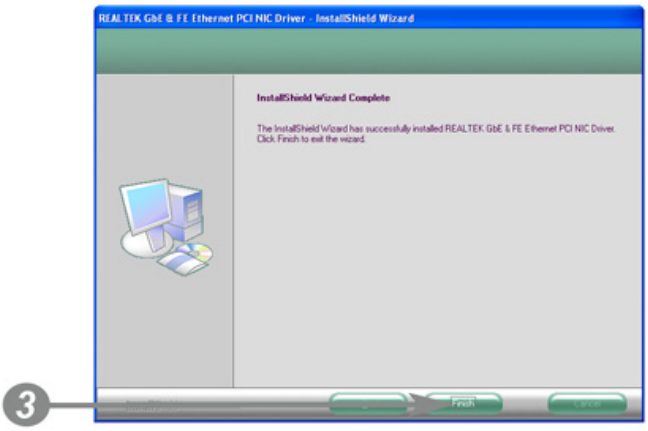


2.1. On the welcome screen, click **Next**.

2.2. Click Install to begin the installation.


REALTEK GbE & FE Ethernet PCI NIC Driver - InstallShield Wizard
Welcome to the InstallShield Wizard for REALTEK GbE & FE Ethernet PCI NIC Driver
The InstallShield Wizard will install REALTEK GbE & FE Ethernet PCI NIC Driver on your computer. To continue, click Next.
Next >
Cancel
2.1.
REALTEK GbE & FE Ethernet PCI NIC Driver - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Install
Cancel
2.2.

3. Click **Finish**.


REALTEK GbE & FE Ethernet PCI NIC Driver - InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed REALTEK GbE & FE Ethernet PCI NIC Driver. Click Finish to exit the wizard.
Finish
Cancel
3

4.

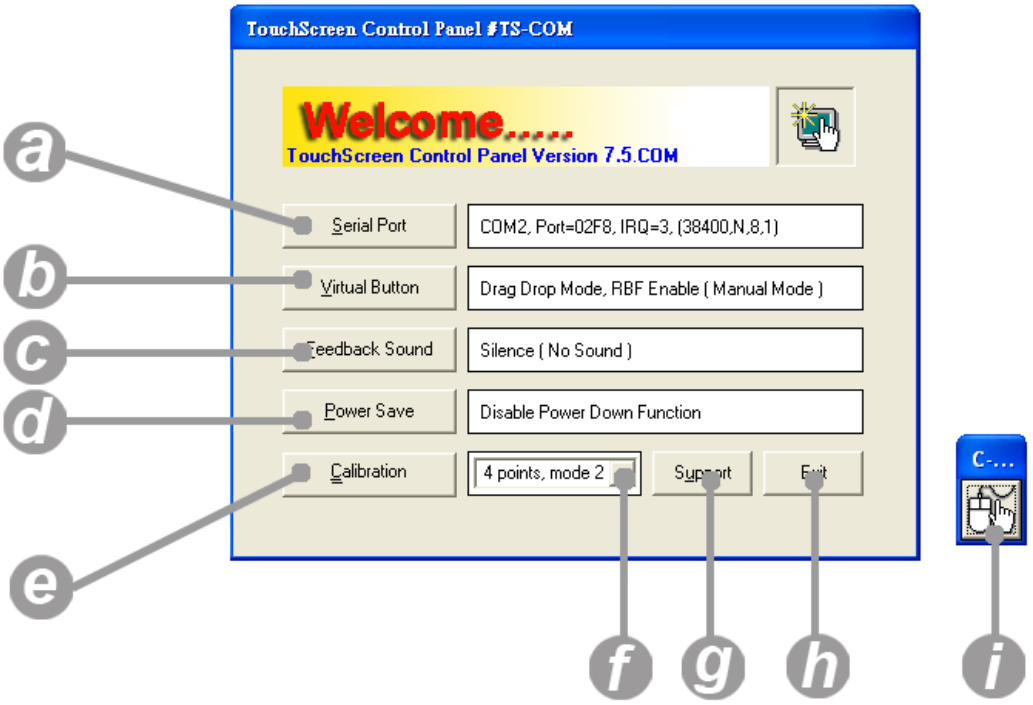
Touchscreen Control Panel Quick Guide (WTM Series)

Note: *If the touchscreen monitor you used is not WTM or TM series, please refers to the user manual of it for touch screen driver operation.*

4.1. Launch Touchscreen V7.5.COM

1. Under Microsoft Windows XP, click "**start**" menu and select "**Programs**", under "**Touchscreen V7.5.COM**" menu, click "**Touchscreen Control Panel V7.5.COM**", the control panel of the program shows.

4.2. User interface

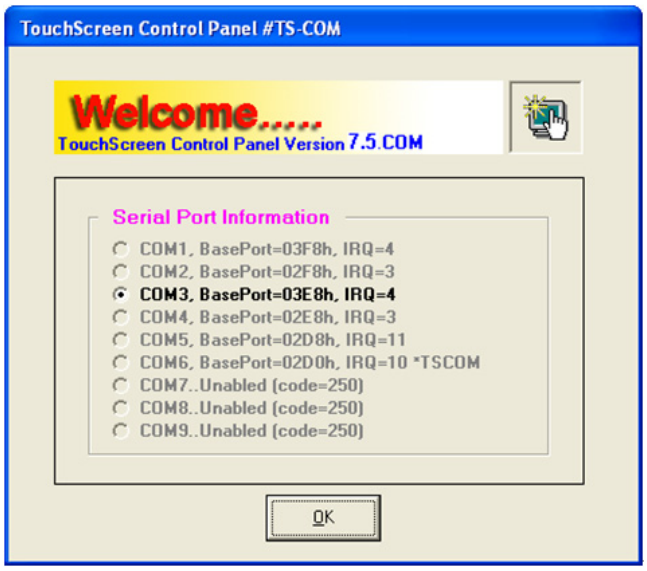


a	**Serial Port**	Display serial port information of the system.
b	**Virtual Button**	Open the virtual button setting dialogue box.
c	**Feedback Sound**	Open the feedback sound setting dialogue box.
d	**Power Save**	Open the power down timer adjustment dialogue box
e	**Calibration**	Switch to calibration screen.
f	**Calibration Mode Menu**	Select the calibration by clicking this drop-down list.
g	**Support**	Display technical support information.
h	**Exit**	Exit the program.
i	**Event Selector**	Enable right mouse button function. The default of this selector is with the left mouse button selected on. For details about event selector settings, please see "**How to Use Event Selector**" of Section 5.2.

4.3. Serial Port Information

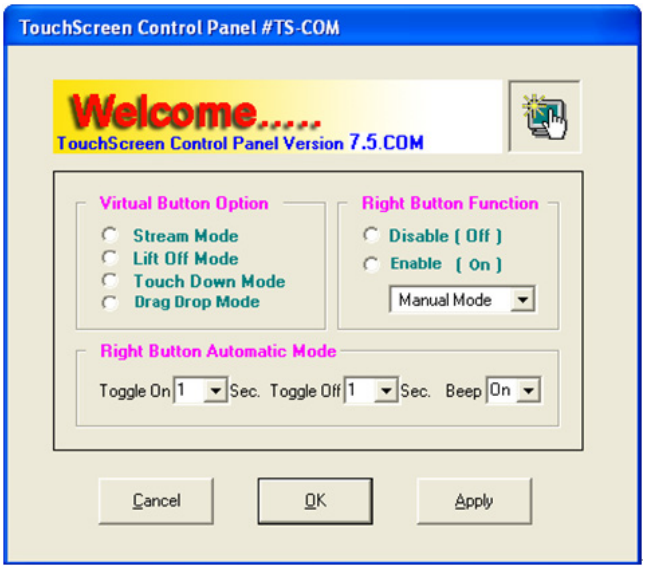
Click **Serial Port** button, the serial port information shows.

Click **OK** to back to the control panel.



4.4. Virtual Button Settings

Click **Virtual Button** button, the dialogue box shows:



The selected option will be in black.

Virtual Button Option

Under **Virtual Button Option** field, there are four options:

- **Stream Mode**

Under this mode, all mouse button simulation will be disabled.

- **Lift off Mode**

Under **Lift off Mode**, tapping and holding on the screen equals pressing and holding on the left button of the mouse.

- **Touch Down Mode**

Under **Touch Down Mode**, one single-tapping equals one left mouse clicking.

- **Drag Drop Mode**

Drag Drop mode allows you to select an object on the screen by tapping, and then slide the selected object to a new location on the screen, the selected object will be dropped on the new location by releasing the touch.

The selected option will be in black.

Right Button Function

- **Disabled (Off)**

Select this option, the event selector will be disabled and disappear.

- **Enable (On)**

Select this option, the event selector will be enabled and show on the left-bottom corner of the screen.

- **Automatic Mode/Manual Mode Drop-down List**

If the Drag Drop Mode under **Virtual Button Option** field is select, the drop-down menu below the **Enable (On)** option will be enabled.

Automatic Mode

- Select this option, the Right Button Function will switch to automatic mode and the event selector will be disabled and disappear.

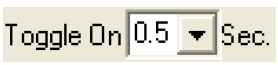
Manual Mode

- Select this option, the Right Button Function will switch to manual mode and the event selector will be enabled and show on the left-bottom corner of the screen.

- Options under **Right Button Automatic Mode** will be enabled when **Manual Mode** is selected.

The selected option will be in black.

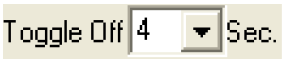
Right Button Automatic Mode



Toggle On time is the duration between the tapping on the screen and that the right mouse button is “virtually” pressed and held.

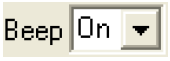
Release the tapping from screen after toggle-on, the pop-up menu shows.

The minimize value is 0.5 and maximum value is 5.



This option defines how long the right button function will be off.

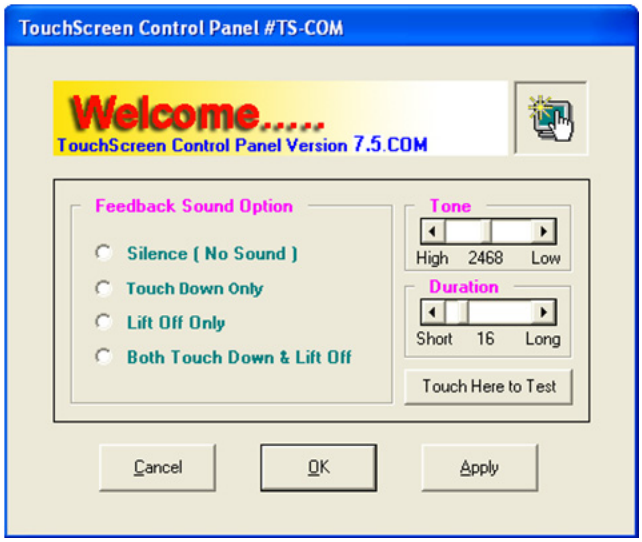
The minimize value is 0.5 and maximum value is 5.



Click the drop-down menu to select **On** or **Off** to enable or disable the beep sound effect for toggle-on and toggle off.

4.5. Feedback Sound

Click **Feedback Sound** button, the dialogue box shows:



Feedback Sound Option

Silence (No Sound)
No any sound effect.

Touch Down Only
When this option is selected, there will be one “beep” sound when tapping on the screen.

Lift Off Only

When this option is selected, there will be one “beep” sound when releasing from the screen.

Both Touch Down & Lift Off

When this option is selected, there will be one “beep” sound when tapping on the screen and releasing from the screen.

Tone

Drag the bar to adjust the frequency of the sound effect.
The minimize value is 200 and maximum value is 5000.

Duration

Drag the bar to adjust how long the “Beep” sound will be.
The minimize value is 10 and maximum value is 50.

The selected option will be in black.

4.6. Screen Calibration

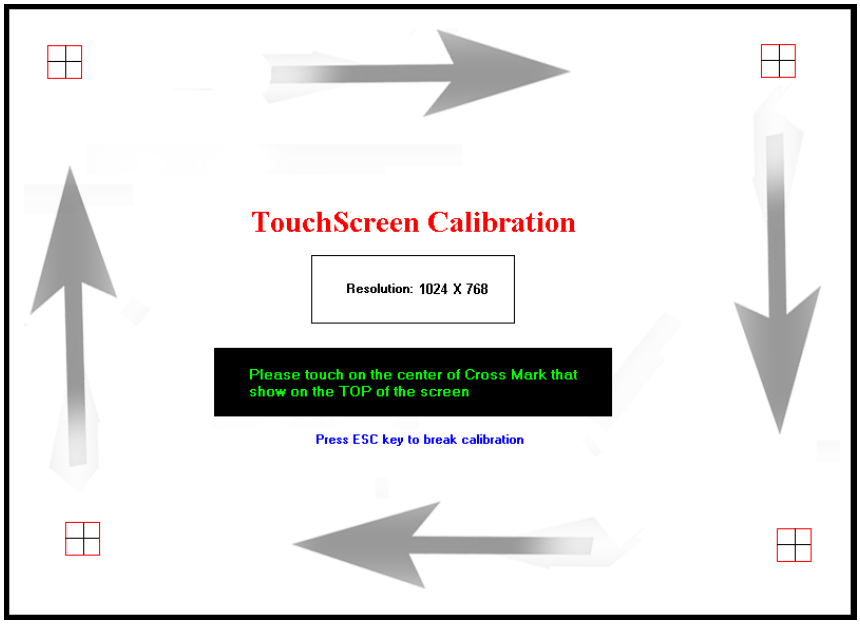
1. Click the drop menu next to the Calibration button to select calibration mode.

4 points, mode 1 – rectangular four-point calibration
4 points, mode 2 – rhombic four-point calibration

2. Click **Calibration** button to enter the calibration screen.

4 points, mode 1

a. The mark shows on the Left-up corner.
b. Follow the instruction in green to touch the center of Cross Mark.
c. When the instruction turns into yellow, releasing the tapping from the screen.
d. Follow the instruction in green to touch the center of Cross Mark.
e. Repeat Step 2 – Step4 to finish the calibration procedure.


TouchScreen Calibration
Resolution: 1024 X 768
Please touch on the center of Cross Mark that show on the TOP of the screen
Press ESC key to break calibration

4 points, mode 2

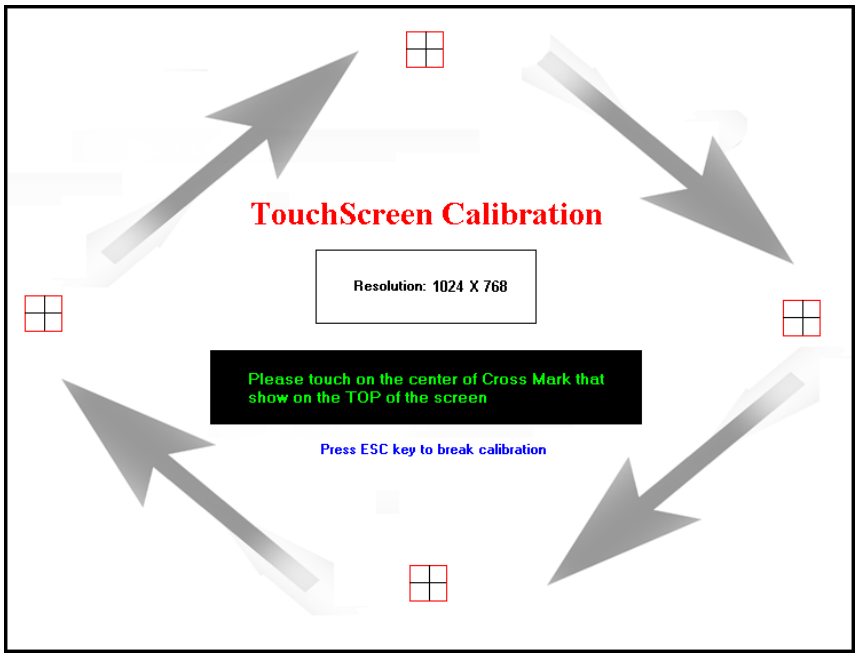
a. The mark shows in the middle of the length of the screen..

b. Follow the instruction in green to touch the center of Cross Mark.

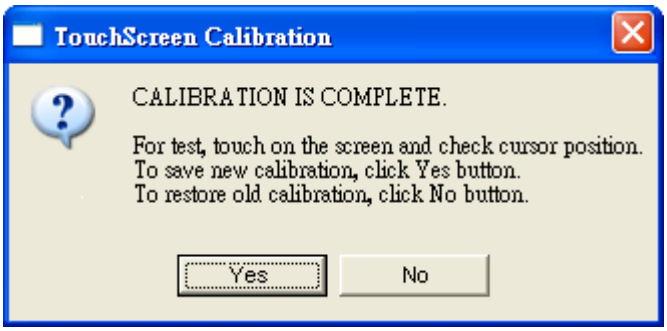
c. When the instruction turns into yellow, releasing the tapping from the screen.

d. Follow the instruction in green to touch the center of Cross Mark.

e. Repeat Step 2 – Step4 to finish the calibration procedure.


TouchScreen Calibration
Resolution: 1024 X 768
Please touch on the center of Cross Mark that show on the TOP of the screen
Press ESC key to break calibration

3. When the calibration procedure is completed, the message shows:


TouchScreen Calibration
CALIBRATION IS COMPLETE.
For test, touch on the screen and check cursor position.
To save new calibration, click Yes button.
To restore old calibration, click No button.
Yes
No

To save the new calibration, click **Yes**, to restore the old calibration, click **No**.

How to Use Event Selector

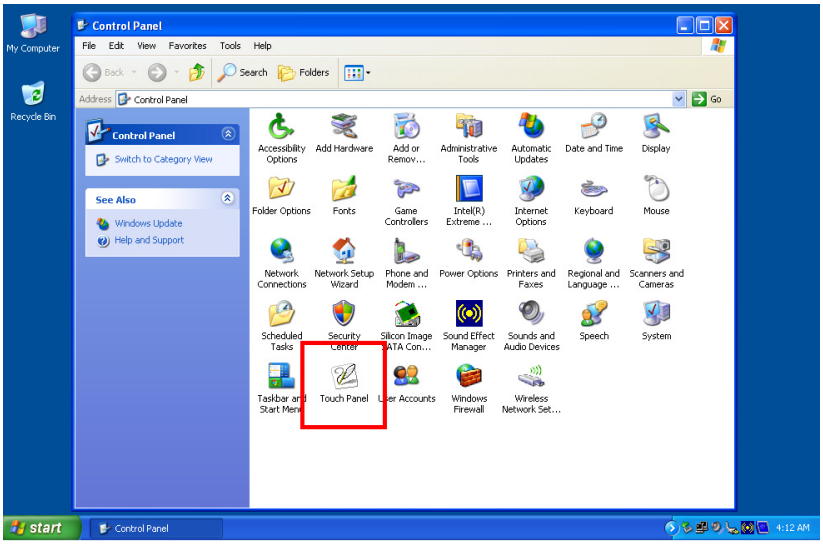
1. On the desktop of Windows, click icon.
2. icon change to .
3. Now the tapping is simulating right mouse button clicking.
4. After one tap on the screen, icon change to .
5. The tapping resumes to left mouse button clicking

5.

Touch Panel Settings (TM Series)

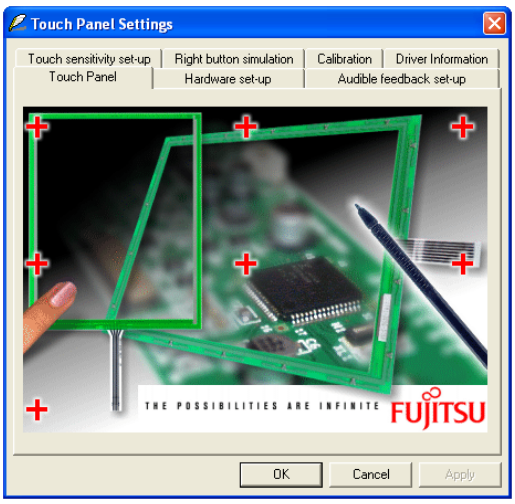
Note: *If the touchscreen monitor you used is not WTM or TM series, please refers to the user manual of it for touch screen driver operation.*

To launch Touch Panel Settings, click ***Start***, click ***Control Panel***, and then double-click icon.

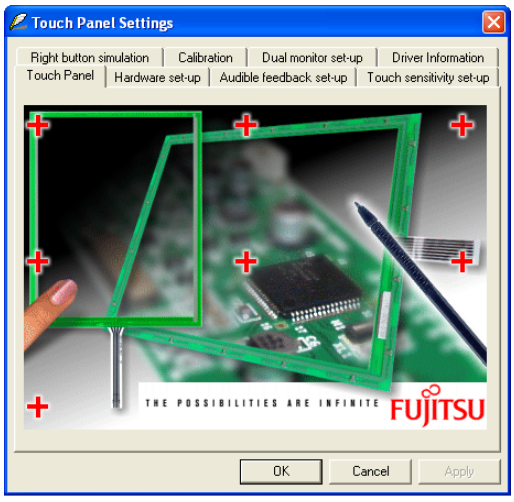


Note: The contents of this chapter are extracted from ***Fujitsu Touch Panel (Serial) Device driver setting manual V1.0L24.***
"Fujitsu" is the registered trademark of **FUJITSU LIMITED**.

5.1. Start screen of Touch Panel Settings



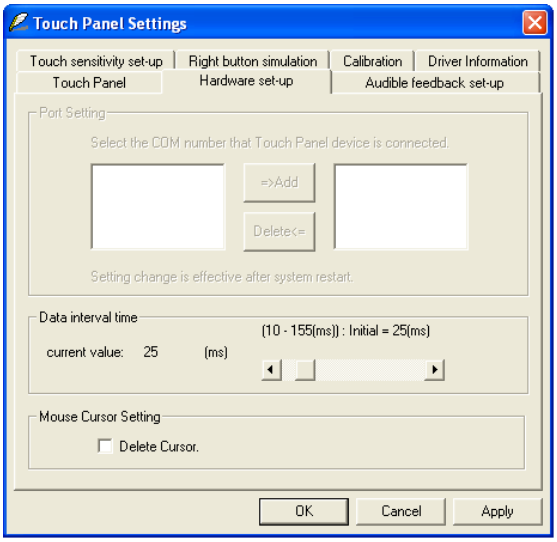
Single Monitor
(Plug and Play Device)



Dual Monitor
Non-Plug and Play Device

5.2. Hardware set-up

Single Monitor (Plug and Play Device)



Port Setting

The setup can't be changed, because COM is recognized automatically.

Data interval time

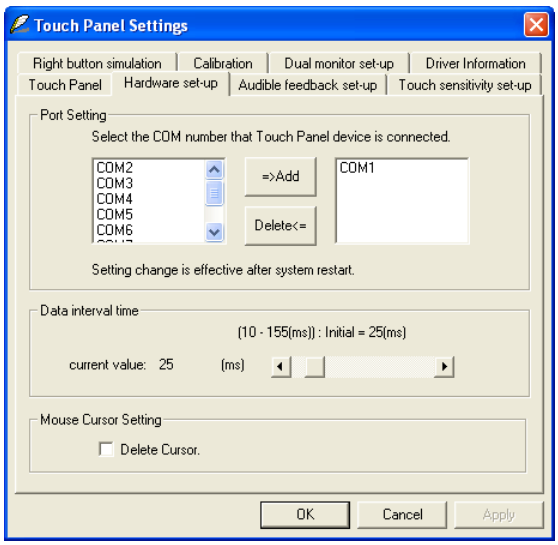
Using slider in the scroll bar, you can change coordinates data interval time of touch panel controller from 10ms to 155ms by 5ms step.

Mouse Cursor Setting

Delete Cursor check box

The display of the mouse cursor is deleted. The special cursor of other application isn't deleted by this setup.

Dual Monitor (Non-Plug and Play Device)



Port Setting

You can add two maximum COM ports.

How to add a port:

Input three fields of port setting below. And, it is added to the port connected by pushing an "**=> Add**" button.

Notes

* Setting change should be effective after the system restart. And you can't use "Calibration" tab page and "Use port" of "Dual monitor set-up" tab page until system restart.

* There is a thing that PC causes defective operation when Port address (I/O address, IRQ number) not set by Windows is input.

* When ports other than COM1-9 are used, input a suitable port number of COM1-9 that is not used instead of actual COM port number. And, set the I/O address and the IRQ number as you wish to use.

COM	Input the COM port number that the device is connected.
I/O	Input the I/O address that the device is connected.
IRQ	Input the IRQ number that the device is connected.

Data interval time

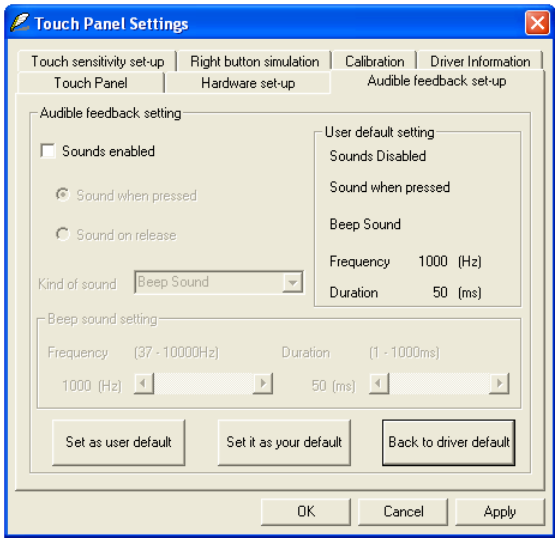
Using slider in the scroll bar, you can change coordinates data interval time of touch panel controller from 10ms to 155ms by 5ms step.

Mouse Cursor Setting

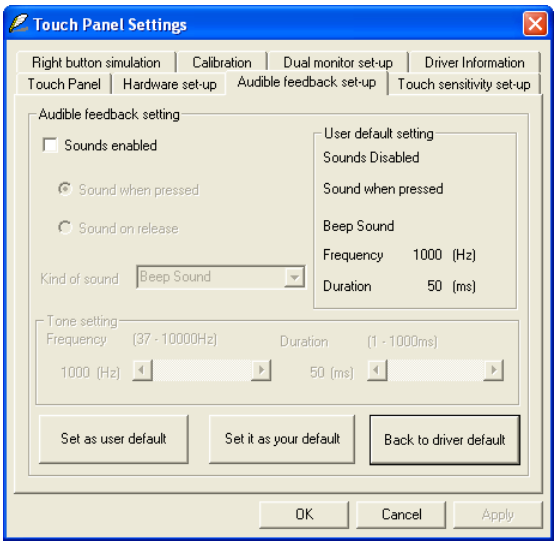
Delete Cursor check box

The display of the mouse cursor is deleted. The special cursor of other application isn't deleted by this setup.

5.3. Audible feedback set-up



Single Monitor
(Plug and Play Device)



Dual Monitor
Non-Plug and Play Device

Audible feedback setting

Sound enabled check box

Sound function is enabled when checked.

Sound when pressed	The sound comes out when touch panel is pressed.
Sound on release	The sound comes out when touch panel is released.

Kind of sound drop-down list

The sound can be selected from among Beep Sound, Asterisk, Exclamation, Question, Critical Stop, Default Sound, and Standard Sound

Note: Please use “Sounds” in the control panel to set the condition of Asterisk, Exclamation, Question, Critical Stop, Default Sound, and Standard Sound.

Back to driver default button

The sound setting is returned to driver default setting.(Sound disabled, Sound when pressed ,Beep Sound , Frequency:1000Hz , Beep time:50ms)

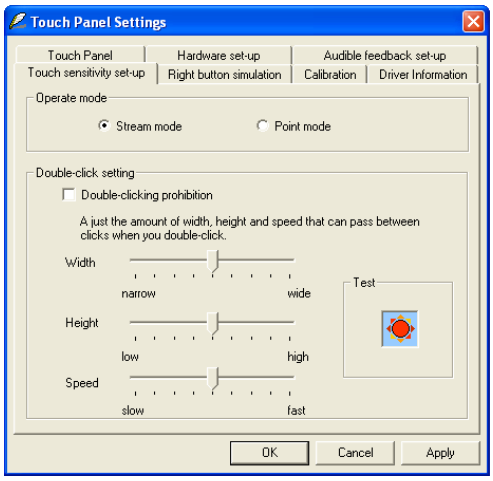
Set it as user default button

Present sound settings are preserved as standard setting. Contents preserved are displayed in the column of "User default setting".

Set as user default button

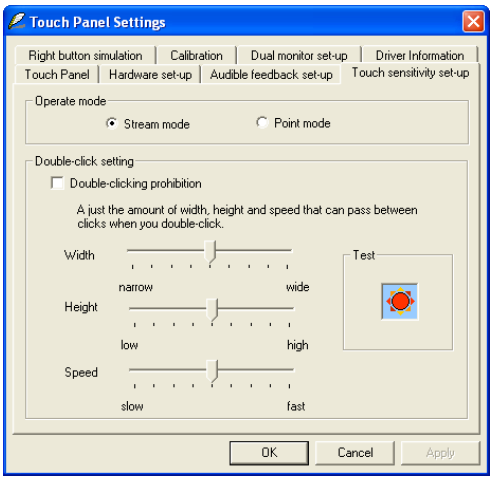
Back to user default setting according to preserved condition.

5.4. Touch sensitivity set-up



Single Monitor

(Plug and Play Device)



Dual Monitor

Non-Plug and Play Device

Operate mode

Stream mode

The coordinates value is continuously output until touch panel turns to off.

Point mode

Point operation. Turning off is notified immediately after turning on is notified. Even if touch continues at the following, no data is output.

Double-click setting

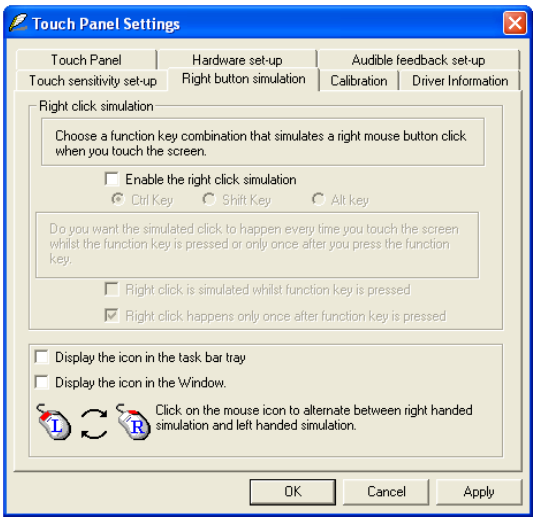
The range and the speed to make the system recognize double-clicking can be changed. Moreover, it can be set that double-clicking is prohibited. Setting change is effective after “OK" or "Apply" button is clicked.

Note: Settings of the above-mentioned ***Width***, ***Height***, and the ***Speed*** also affect to other mice connected with the system. But double-clicking prohibition is only for the touch panel.

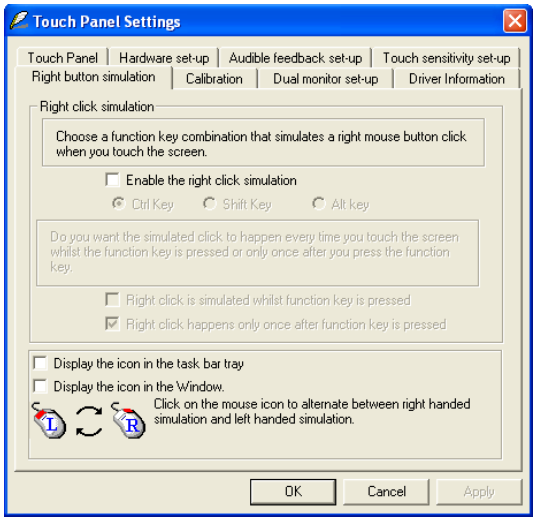
Double-clicking prohibition check box
Disable the double-clicking of the touch panel when checked.

Width: The horizontal range recognized as double-clicking is set. 2 - 32 [pixel]
Height: The vertical range recognized as double-clicking is set. 2 - 32 [pixel]
Speed: The maximum time between clicks recognized as double-clicking is set. 150 - 850[ms]
Test: The actual double-click test on displayed icon. Icon display is changed when double-clicking is recognized

5.5. Right button simulation


Touch Panel Settings
Touch Panel
Hardware set-up
Audible feedback set-up
Touch sensitivity set-up
Right button simulation
Calibration
Driver Information
Right click simulation
Choose a function key combination that simulates a right mouse button click when you touch the screen.
Enable the right click simulation
Ctrl Key
Shift Key
Alt key
Do you want the simulated click to happen every time you touch the screen whilst the function key is pressed or only once after you press the function key.
Right click is simulated whilst function key is pressed
Right click happens only once after function key is pressed
Display the icon in the task bar tray
Display the icon in the Window.
Click on the mouse icon to alternate between right handed simulation and left handed simulation.
OK
Cancel
Apply

Single Monitor
(Plug and Play Device)


Touch Panel Settings
Touch Panel
Hardware set-up
Audible feedback set-up
Touch sensitivity set-up
Right button simulation
Calibration
Dual monitor set-up
Driver Information
Right click simulation
Choose a function key combination that simulates a right mouse button click when you touch the screen.
Enable the right click simulation
Ctrl Key
Shift Key
Alt key
Do you want the simulated click to happen every time you touch the screen whilst the function key is pressed or only once after you press the function key.
Right click is simulated whilst function key is pressed
Right click happens only once after function key is pressed
Display the icon in the task bar tray
Display the icon in the Window.
Click on the mouse icon to alternate between right handed simulation and left handed simulation.
OK
Cancel
Apply

Dual Monitor
Non-Plug and Play Device

Right click simulation

Enable the right click simulation check box
Enable function and activate following items when checked.

Ctrl key, Shift key, Alt key

Select the cooperative key for right-clicking function.

Right click is simulated whilst function key is pressed

Just as the guidance when checked. (The Alt key dose not work with this setting.)

Right click happens only once after function key is pressed
Just as the guidance when checked.

Display the icon in the task bar tray

The icon of the mouse style (see figures below) is registered in the task tray and right click simulation works without cooperative key operation when checked.

Display of "L" Display of "R"

Display the icon in the Window

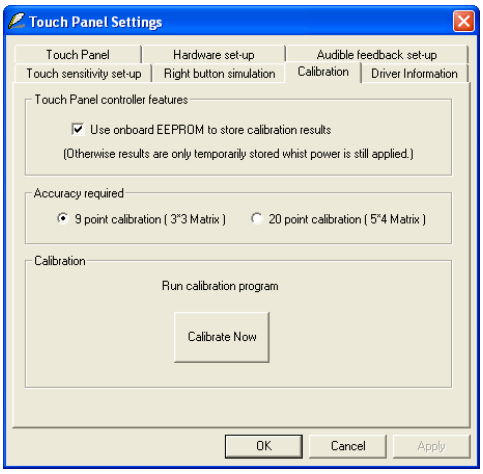
The icon of the mouse style (see figures below) is registered in the desktop and right click simulation works without cooperative key operation when checked.

Display of "R" Display of "L"

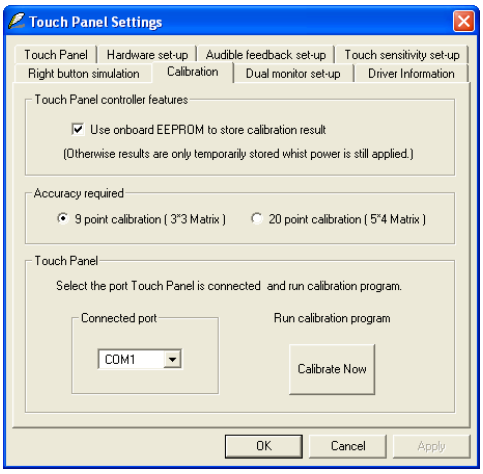
Operation of icon
The letter of “L” and “R” of the icon shows a present state. At the “R” state, touch works as right-click once and state turns to “L”. State is changed alternatively by touching icon.

Note: When the mouse is set for left-handed, the display of **L** and **R** becomes opposite.

5.6. Calibration



Single Monitor
(Plug and Play Device)



Dual Monitor
Non-Plug and Play Device

Touch Panel controller features

Use onboard EEPROM to store calibration results

Do not check here when EEPROM is not used.

Accuracy required

Select the calibration point number.

At EEPROM less condition, the calibration point number is limited to 9.

Calibration

Calibration Now button

This button executes the calibration program. When “Touch Panel controller features” and “Accuracy required” are changed. Calibration can't be carried out until “OK” and “Apply” button are pushed and a setup is renewed.

The calibration is done so that pressed position of touch panel device matches to the display position. When the touch panel driver setup or the touch panel device is exchanged, it is necessary to calibrate.

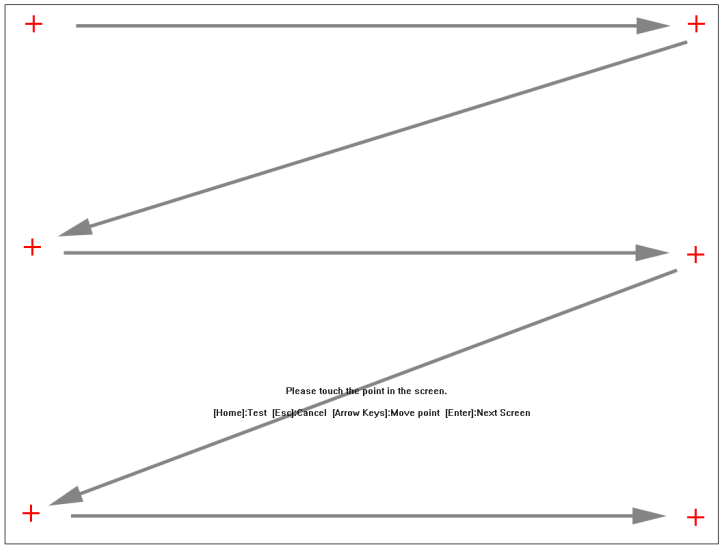
1) Click **Calibration Now** button.
2) The calibration screen is displayed (one “+“ mark is displayed on the left up corner).
3) Push “+“ mark. When a push point was effective, the following "+" mark is displayed.
4) After all “+“ marks are pressed (9 or 20 pieces), screen is changed to “Test screen” automatically.

Notes

When you change the port setting in the “Hardware set-up” tab, the calibration program can't

be carried out till system restarts.

Calibration screen

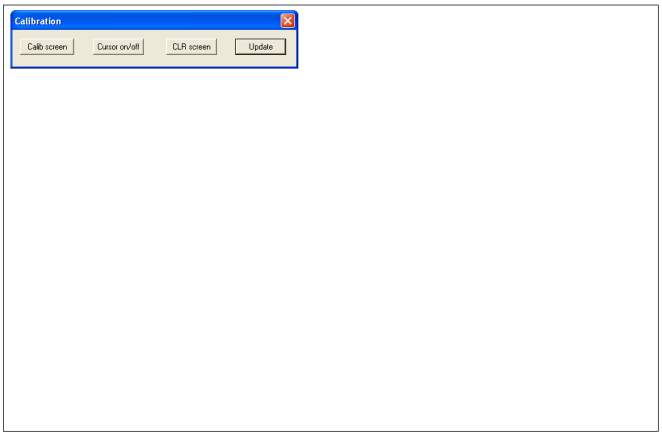


Key input at calibration screen

[Home]	Cancel calibration data and skip to **test screen**.
[Esc]	Cancel calibration data and close calibration program.
[Arrow keys]	Move the calibration point mark.
[Enter]	Revise the calibration data and skip to test screen.

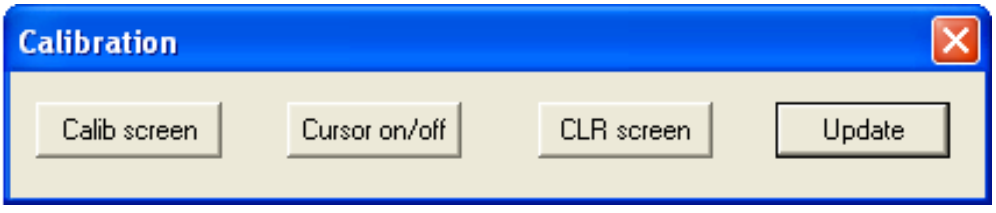
Test screen

You can do free drawing in this screen so that the result of the calibration can be judged by watching pen input position and displayed position.

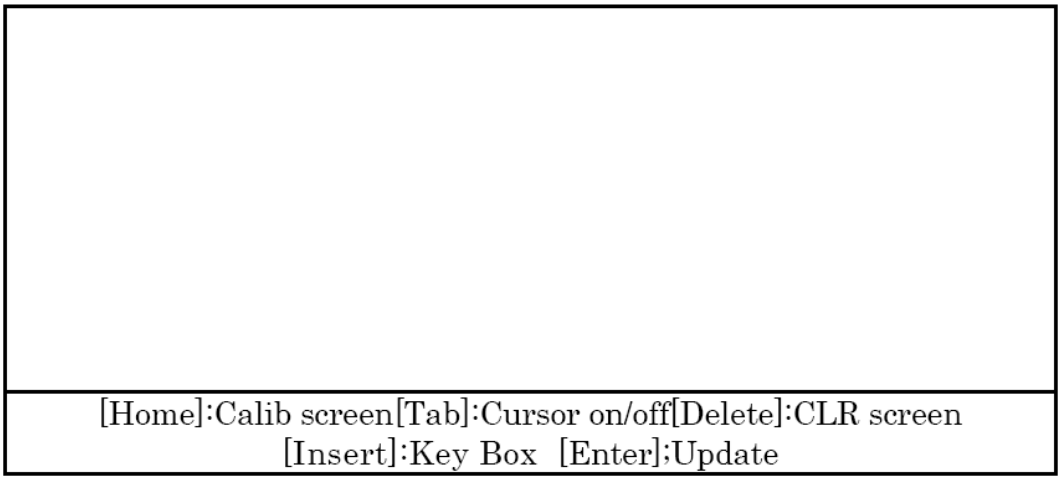


Drawing test screen where key box is used

Key box input of this drawing test screen



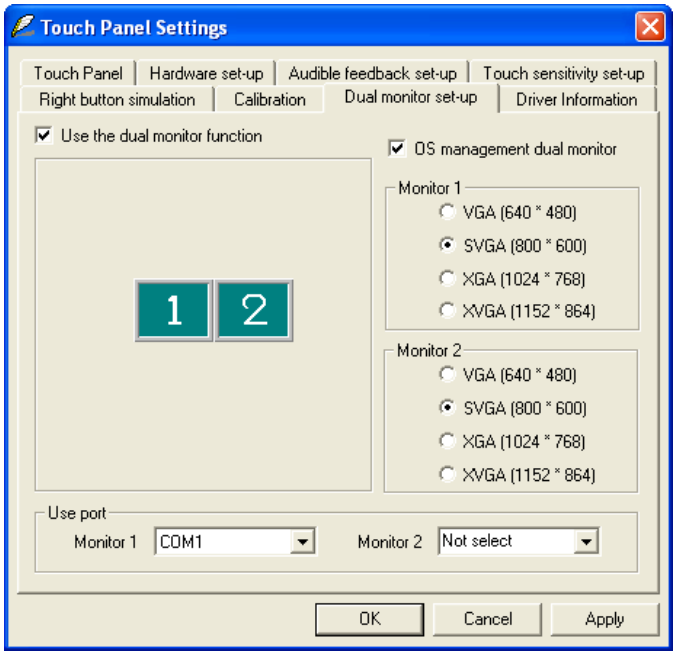
Calib screen	Back to calibration screen.
Cursor on/off	On and off the cursor display on the screen.
CLR screen	Clear the screen.
Update	Close the calibration program.
	Close the key box window, and screen changes to the style below.



Key input of this drawing test screen

[Home]	Back to calibration screen.
[Tab]	On and off the cursor display on the screen.
[Delete]	Clear the screen and key guidance part moves up and down.
[Insert]	The key box is displayed and screen changes into the first style.
[Enter]	Close the calibration program.

5.7. Dual Monitor (Non Plug and Play Device Only)



Use the dual monitor function

Check here when you wish to use dual monitor function.

OS management dual monitor

Select whether it is OS management dual monitor or video card management dual monitor.

Monitor position setting

Drag the picture of monitor 1 and 2, and set the position same as actual monitor arrangement.

Monitor 1

Select the resolution of monitor1.

Monitor 2

Select the resolution of monitor2.

Use port

Monitor 1

Click the drop-down list to select the port of the touch panel set up on monitor1.

Monitor 2

Click the drop-down list to select the port of the touch panel set up on monitor2.

Notes

Dual monitor set-up screen isn't shown with a PNP touch panel for Widnows95/98/Me/2000/XP.

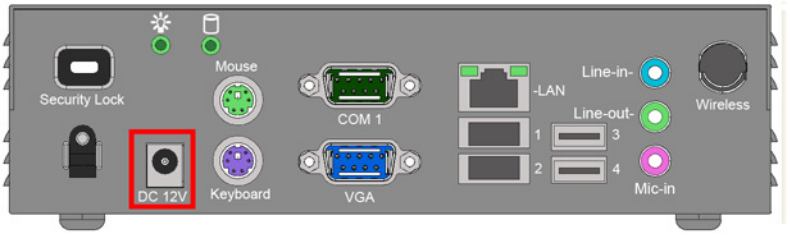
When you change the port setting in the “Hardware set-up” tab, “Use port” can't be changed till system restarts.

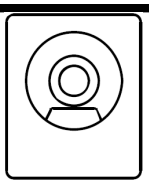
6.

I/O Definition

Please refer the detailed technical information about all I/O ports as followings.

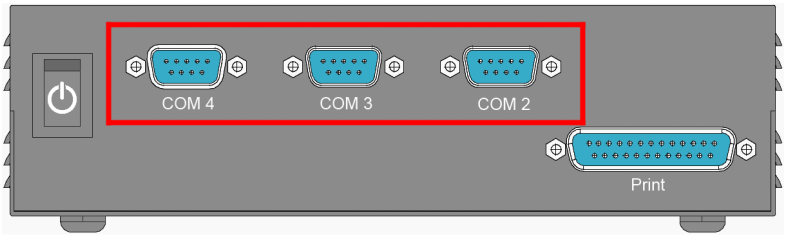
6.1. Power Connector

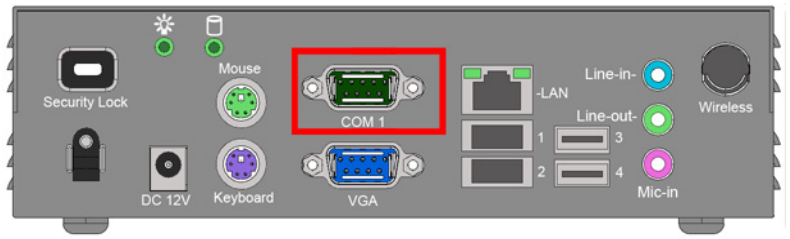


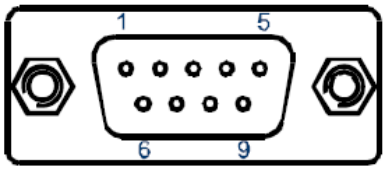


Pin	Signal Name
1	NC
2	+12V
3	GND

6.2. Serial Port 1/2/3/4







Pin	Signal
1	DCD, Data carrier detect
2	RXD, Receive data
3	TXD, Transmit data
4	DTR, Data terminal ready
5	GND, ground
6	DSR, Data set ready
7	RTS, Request to send
8	CTS, Clear to send
9	RI, Ring indicator

JP4 COM 1 Power COM1 Signal / Power Selection

Jumper	Setting	Function
1	1-3 Short	Pin 1 of COM1 = +12V
	3-5 Short	Pin 1 of COM1 = +5V
	5-7 Short	Pin 1 of COM1 = +5V
	7-9 Short	Pin 1 of COM1 = DCD@RS232, TX-@RS422, DATA-@RS485 (Default)
2	2-4 Short	Pin 9 of COM1 = +12V
	4-6 Short	Pin 9 of COM1 = +5V
	6-8 Short	Pin 9 of COM1 = +5V
	8-10 Short	Pin 9 of COM1 = RI (Default)

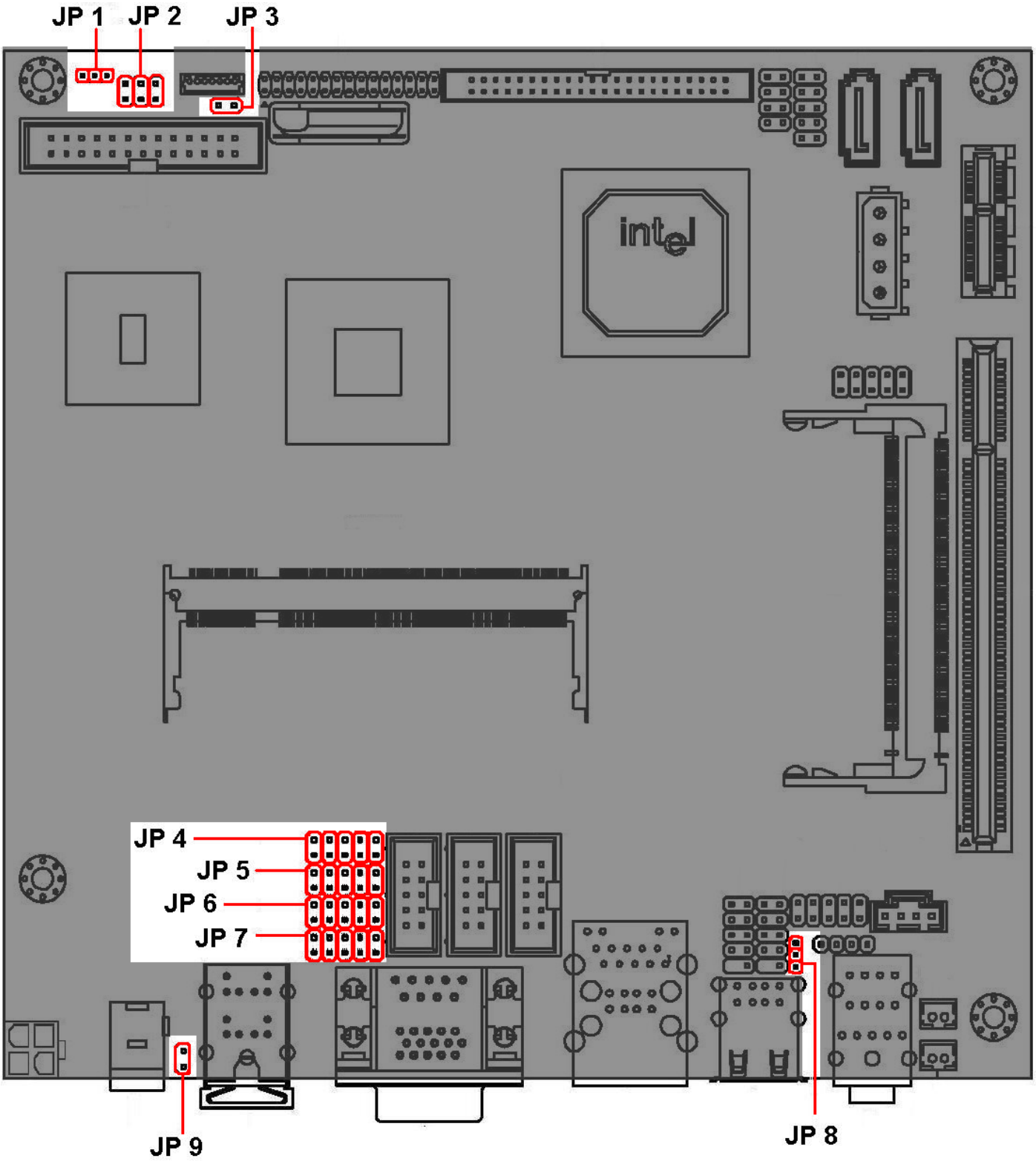
Pitch: 2.54mm [YIMTEX 3322*05SAGR(6T]

JP5/ 6/ 7 COM2/ 3/ 4 Signal / Power Selection

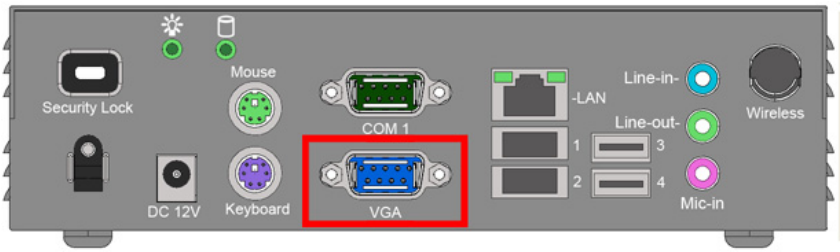
Jumper	Setting	Function
1	1-3 Short	Pin 1 of COM2/ 3/ 4 = +12V
	3-5 Short	Pin 1 of COM2/ 3/ 4 = +5V
	5-7 Short	Pin 1 of COM2/ 3/ 4 = +5V
	7-9 Short	Pin 1 of COM2/ 3/ 4 = DCD (Default)
2	2-4 Short	Pin 9 of COM2/ 3/ 4 = +12V
	4-6 Short	Pin 9 of COM2/ 3/ 4 = +5V
	6-8 Short	Pin 9 of COM2/ 3/ 4 = +5V
	8-10 Short	Pin 9 of COM2/ 3/ 4 = RI (Default)

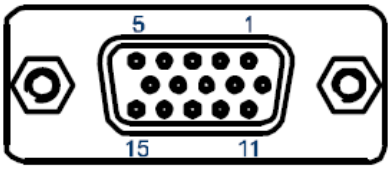
Pitch: 2.54mm [YIMTEX 3322*05SAGR(6T]

For the location of JP4/5/6/7 on the main board, please see the figure below:


JP 1
JP 2
JP 3
JP 4
JP 5
JP 6
JP 7
JP 8
JP 9

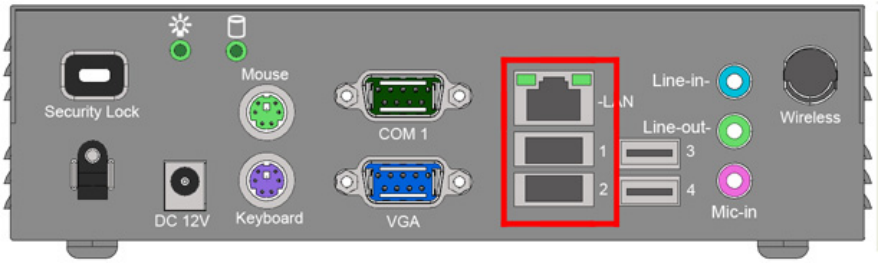
6.3. VGA Connector

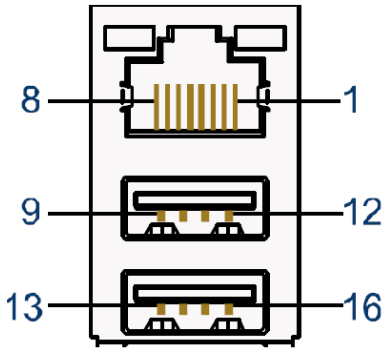




Pin	Signal Name	Pin	Signal Name
1	Red	9	VCC
2	Green	10	GND
3	Blue	11	NC
4	NC	12	DDC2B data
5	GND	13	HSYNC
6	GND	14	VSYNC
7	GND	15	DDC2B clock
8	GND		

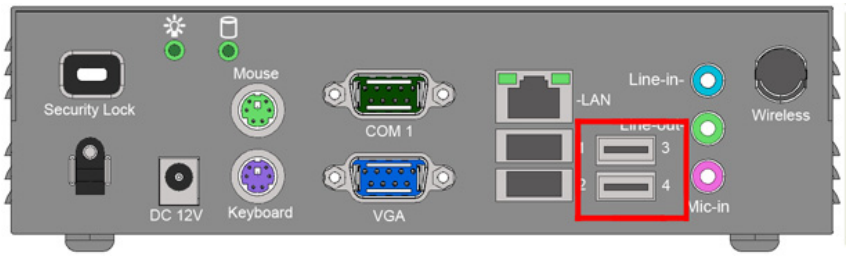
6.4. LAN and USB 1/2

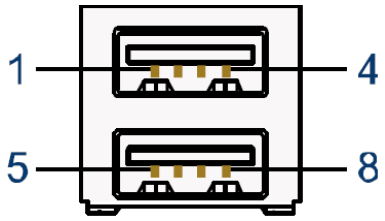




Pin	Signal	Pin	Signal
1	MDI[0]+	U1	+5V
2	MDI[0]-	U2	USB0-
3	MDI[1]+	U3	USB0+
4	MDI[1]-	U4	GND
5	MDI[2]+	U5	+5V
6	MDI[2]-	U6	USB1-
7	MDI[3]+	U7	USB1+
8	MDI[3]-	U8	GND

6.5. USB 3/4



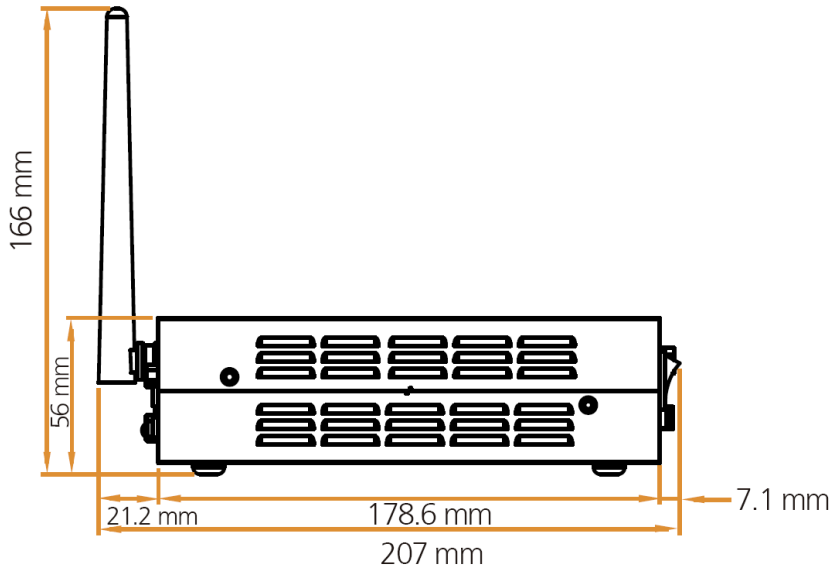


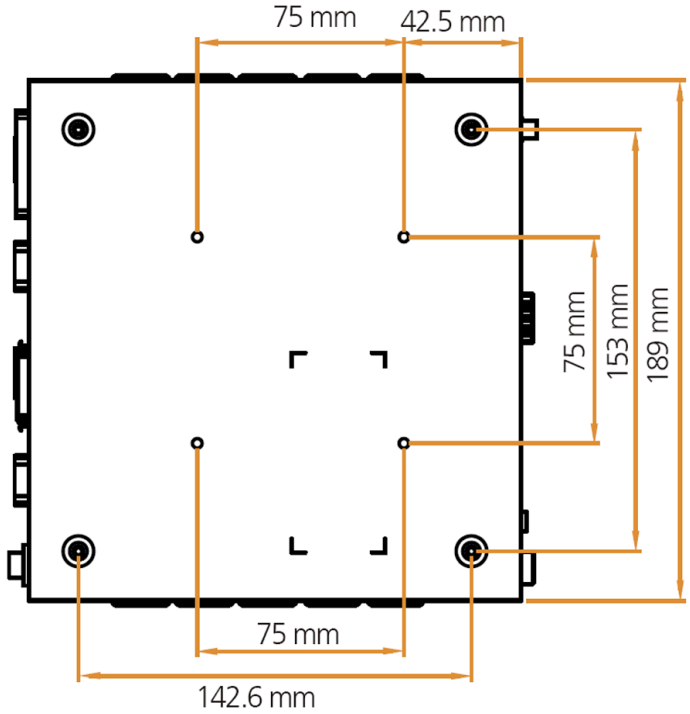
Pin	Signal Name	Pin	Signal Name
1	+5V	5	+5V
2	USB1-	6	USB0-
3	USB1+	7	USB0+
4	GND	8	GND

7.

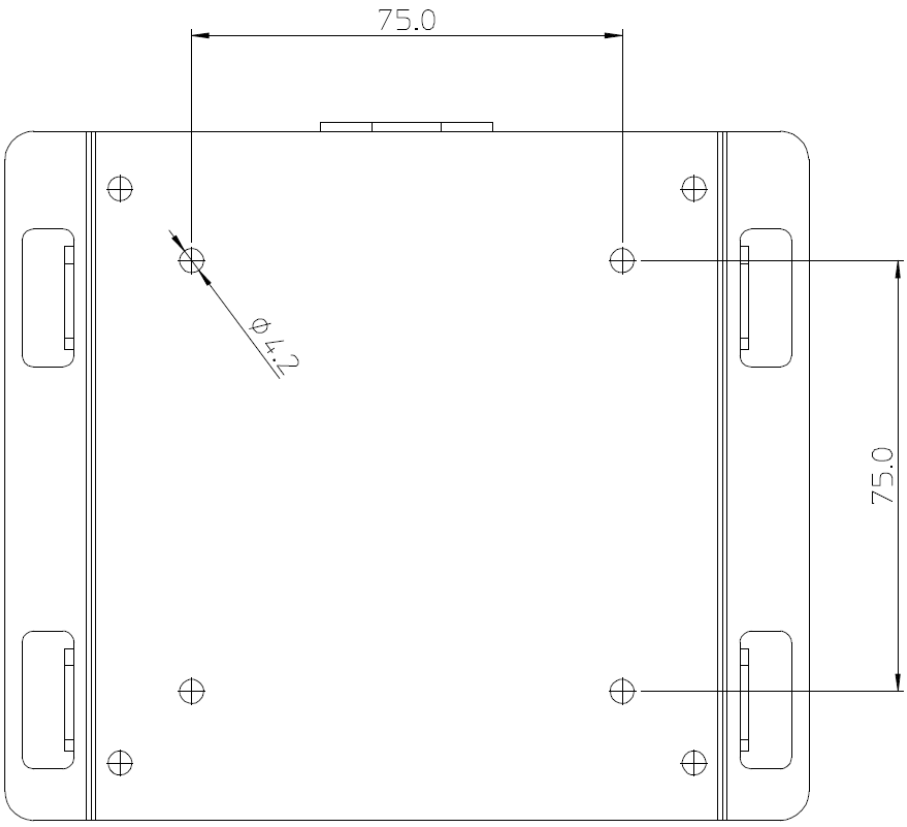
Specification

7.1. The Device



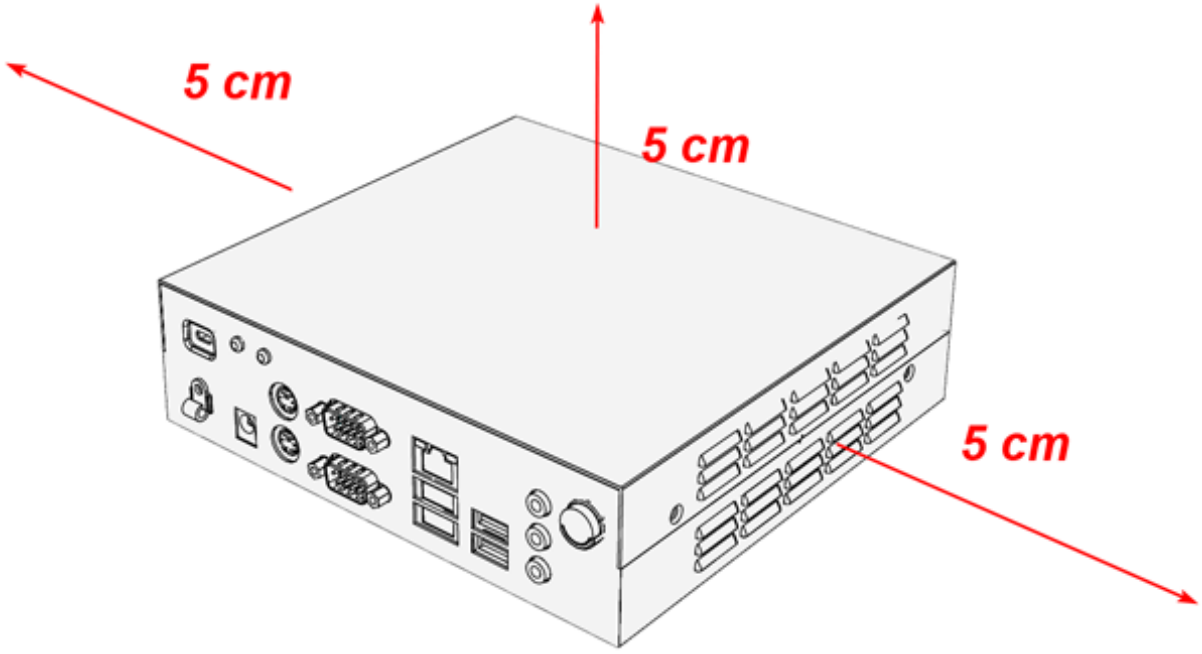


7.2. The Wall Mount Kit



7.3. Build-in Dimension

For the best thermal efficiency and safety, when installing or mounting the device in a cabinet or rack, the minimum clearance distance show be kept as followed



Main Board	
CPU	Intel® AtomTM Processor N270 1.6GHz
Chipset	Intel 945GSE / ICH7-M
System Memory	SO-DIMM DDR2 533, 128MB up to 2GB
Thermal Solution	Fan-less
OS	Windows XP / XPe, WEPOS, POS Ready, Linux*
I/O Ports	
Serial	4 x RS-232 COM 1 : RS232/422/485 DB-9, Pin9 w/ RI/5V/12V jumper selected COM 2 / 3 / 4 : RS232 DB-9, Pin9 w/ RI/5V/12V jumper selected
USB	4 x USB 2.0
LAN	1 x Gigabit Ethernet by RJ-45 , Support Wake on LAN and boot on LAN
Audio	Line-in, Line-out and Mic-in
VGA	1 x DB-15
Expansion	1 x Mini PCI, optional wireless LAN module
Others	
Wall Mount	Support VESA Mount
Power Supply	External Adapter, 60W, 12VDC Input
Compliance	FCC / CE / WEEE / RoHS / CCC
Weight	Approx. 1.43 Kg
Dimension	189 W x 179 Dx 52 H mm
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Storage Humidity	20 – 85%
Optional Accessories	
Part No.	**Description**
A0400614	Wireless LAN 802.11 WIFI module Antenna
20200023	2.5" Slim Type HD: 160GB SATA TYPE
20300021 Memory	DDRR2-667, 512MB, 200Pin SO-DIMM, non-ECC
20300022 Memory	DDRR2-667, 1GB, 200Pin SO-DIMM, non-ECC
20900001 OS	Windows XP Professional, English version
20900002 OS License	WEPOS, English Version
A0400696	Wall Mount Kits